

Sameed Ahmed

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Profile

Driven and innovative student developer and freelancer actively seeking an opportunity to leverage my technical prowess and imaginative thinking in a demanding role. Possessing a robust foundation in software development, web design, and project management, I am enthusiastic about making valuable contributions to a dynamic team while continuously honing my skills.

Work Experience

10/2020 – 07/2022

Freelancer Fiverr

- Designed and delivered custom-modelled Discord Bots for multiple clients, automating tasks such as user role assignment, moderation, raffles, and giveaways.

11/2023 – 01/2024
VTU Belagavi, Karnataka

Lead Student Designer Yukti 2K24

- Led the Student design team for Yukti 2K24, a National Level Techno-cultural Fest
- Managed team workflow and collaborated closely with event organizers to align design goals
- Conceptualized and delivered impactful visuals for posters, brochures, backdrops, and more
- Ensured consistent branding across all event materials, driving cohesive event identity

02/2025 – 02/2025
Belagavi, India

Web Development Lead & Design Co-Lead Yukti 2k25 Techno-Cultural Fest

- Led full-stack web development for Yukti 2k25 (yukti.bastamasta.dev), handling HTML, CSS, JavaScript, GitHub, GitHub Pages, and Formspree
- Managed website content updates, registration system, and concert ticket sales, supporting high traffic volumes
- Co-led design, creating branding and marketing materials to enhance event visibility and engagement

01/2023 – present

Systems Programmer Independent Projects

- Developed and published multiple open-source tools and libraries
- Created command-line tools for developers, including ASCII art generators and image processors
- Built hardware projects such as binary keyboards and embedded systems

08/2025 – 04/2026
Bengaluru, India

Software Engineering Intern SonyTech IT Company Robotics & Hardware Engineering:

- Enhanced interactive learning – Designed and developed a Robotics and Electronics-based educational robot with onboard AI processing for classroom use
- Optimized connectivity and responsiveness – Engineered communications and networking stack supporting UART, SPI, and I2C protocols for real-time data exchange
- Achieved efficient hardware-software integration – Created 4-layer PCB Hat with RP2350B microcontroller as Raspberry Pi 5 control interface
- Delivered robust hardware platform – Executed schematic design, PCB layout, and signal integrity analysis meeting electromagnetic compatibility and performance standards



Skills

LANGUAGES

English
Professional

Hindi
Native

PROGRAMMING/DEVELOPMENT

Rust
Professional

Python
Professional

C
Full

C++
Professional

Embedded Systems and
IoT
Limited

Flutter / Android Dev
Limited

Assembly (8086)
Limited

OS Dev
Elementary

DESIGN

UI Design
Professional

Graphic Design
Limited

Web Design
Professional

Video Editing
Limited



Tools/Services Known

Google Cloud

Server Management

Git

GitHub

GitHub Codespaces

Linux

Bash

Raspberry Pi

Docker

GitLab

Canva

Blender

GitHub Actions

Google Firebase Studio

NixOS

Innovative Thinking

Collaborative Leadership

Strategic Planning

Client-focused

Detail-oriented

Cargo

Komodo

Gitea - Selfhosted

cron

Powershell 7.0

WSL

Flask

Network Administration



Strengths

Problem-solving

Time management

Adaptability

Self-motivated

Communication

Excellent communication

Leadership skills

Technical expertise

Project management

Team collaboration



Education

12/2022 – present
Belagavi, India

Mangaluru, India

Kalaburagi, India

Computer Science and Business Systems | B.Tech
Visvesvaraya Technological University

Pre-University | PUC
Expert PU College
Percentage: 98 | [2022]

High School | CBSE
Appa Public School
Percentage: 86.4 | [2020]



present

Owner and Lead Dev

boxy-cli

A Rust crate to generate command-line output in a formatted form – inside boxes, with independent sections and divisions.

published on crates.io since 15/04/25

<https://crates.io/crates/boxy-cli>

Portfolio Website

A simple website to display my info and projects.

Live at <https://bastamasta.dev>

(Links to all my projects can be found here)

BinaryKeeb

An Embedded Systems project, consisting of a display and 2 mechanical keys, which gives ASCII-Encoded output to the connected system when binary data is input with the keys.

Google Forms to Discord (Bots)

Discord Bots to manage replies generated from Google forms, and carry out actions such as polling for votes, informing the applicant whether they were selected etc.

Brainfuck Interpreter

A simple interpreter for the language BrainFuck, Built in Rust.

Image Processor (CLI Tool)

A simple image processing tool, for cropping, inverting, gray scaling, rotating and brightening images. Built in Rust

MemeSoundPad [WIP]

A multi-platform app, built in Flutter, Mainly consisting of the popular and trendy meme sound effects.

TARS Replica [WIP]

An IoT and AI based robot, designed to mimic the TARS robot from the movie Interstellar, compete with voice recognition and commands, AI generated replies and actions.

present

Action RPG [WIP]

A simple Adventure-based Role-Playing game, built in GameMaker Studio 2, with GML.

present

Bash Web Server [WIP]

Developing a web server using bash 5.2, which operates entirely with builtins and without relying on any external utilities or programs. Designing the server to serve local directory files and specific webpages, enabling easy access to my system from any location worldwide.

present

India

boxy-py

A port of the boxy-cli crate in python.

A python library to develop and display colorful text boxes in command line interfaces.

02/2026 – present

India

ShellDeck

- Designing and building a custom cyberdeck, featuring a unique, swappable architecture for enhanced modularity and rapid system swaps
- Engineering interchangeable hardware components to streamline upgrades and maintenance
- Integrating high-performance components optimized for portability and user customization
- Developing firmware to support seamless transitions between different operating systems and configurations



Achievements

- Actively participated in **TechRadiance 2020**, earning the district-level prize for implementing Facial Detection using Python and OpenCV, which showcased innovation and technical skills.
- Currently serving as the **Cloud Lead** for **Google Developer Groups, VTU Belagavi**, which involves guiding discussions and projects that enhance cloud computing knowledge within the community.
- Secured first place in the **Code Sprint** organized by **IEEE, VTU Chapter**, in 2023, which highlighted strong programming skills and problem-solving abilities in a competitive environment.
- Successfully organized **Code Combat** at **Yukti 2k24** as a core organizer, bringing together participants for a collaborative coding experience that fostered community engagement.
- Led the coordination of the **Debugging event at Yukti 2k25**, ensuring smooth operations and participant satisfaction, which contributed to the event's overall success.



Hobbies



Exploring distant lands



Making new stuff for fun



Gaming



Getting lost in a good book



Capturing moments



Feeling the music



Social Media



Sameed Ahmed



BastaMasta