Ashar Amir

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PROFILE

Enthusiastic BSc Software Engineering student with a passion for programming and design. Proficient in a variety of programming languages, including Python, C++, Java, JavaScript, and C. Skilled in web development technologies such as HTML, CSS, React, ReactJS, and Flask, with additional experience in MSSQL, MongoDB and SpringBoot. Demonstrated expertise in developing web applications, discord bots and unity games. Adept at collaborating effectively with teams to deliver innovative and structured code.

EDUCATION

National University of Computer and Emerging Sciences Islamabad, Pakistan
Bachelor's degree in Software Engineering *Aug. 2022 – Aug. 2026*

Jeel Yanbu International School Yanbu, Saudi Arabia
Pre-Engineering Sciences *2010 – 2022*

EXPERIENCE

Freelance Developer 2020 – Present
Self-Employed *Remote*
- Delivered high quality structured code that ensures client satisfaction.
- Completed various freelance projects including game development, web development in SpringBoot, React, and Figma designs and mockups.

GDSC Game Development Officer August 2022 – June 2023
GDSC, FAST *Islāmābād, Pakistan*
- Led game development initiatives and projects within the community.
- Organized and conducted workshops and events related to game development.

Discord Bot Developer Intern July 2020 – January 2022
ZNotes *Remote*
- Worked on building integration between the ZNotes Discord Server and the WebApp, enhanced discord bot features for the community, and assisted in content development on the WebApp.

WordPress Developer 2020 – 2021
Jeel Yanbu International School *Yanbu, Saudi Arabia*
- Developed a WordPress website for Jeel Yanbu International School in Yanbu, KSA.
- Overlooked the domain servicing and Microsoft Office ID Assignments.

Community Moderator June 2020 – July 2022
ZNotes *Remote*
- Served as a community moderator during the COVID-19 Pandemic. Oversaw an online community. Ensured an inclusive environment for students. Organized and facilitated events, fostered a sense of community, and maintained engagement.

Content Contributor November 2020 – June 2022
ZNotes *Remote*
- Facilitated in the conversion of educational content from conventional PDFs to a dynamic web-based markdown format.

Projects

TA Assignment System | *C, Winforms*
- Developed a comprehensive system for managing Teaching Assistant assignments.

Enigma Escape (Maze Runner) | *C++, Graphs, Djikstra*
- Designed and implemented a maze runner game using C++ and Dijkstra's algorithm.

Project Management System with Agile Methodologies | *React, SQL*
- Developed a project management system employing Agile methodologies with a React frontend and SQL backend.

Vehicle Detection System | *openCV.py, Flask*
- Created a vehicle counting and traffic control system, with tabular report generation using OpenCV in Python.

xTract Smmry | *Python, Flask, Javascript*
- Generates Summary of selected content (via Gemini API) directly from browser and exports it to Notion via a Chrome extension.

Discord Music Bot | *discord.py*
- Implemented a music bot for Discord using the Discord.py library.

Discord Moderation Bot @ ZNotes.org | *discord.py*
- Developed a discord moderation bot for the ZNotes community using the Discord.py library.

Technical Skills

Languages: Python, C++, Java, JavaScript, C, SQL
Web Development: HTML, CSS, React, Flask
Discord: Discord API, discord.py
Design: Figma
Other: MSSQL, MSWorkbench SQL, Mongo Compass, SceneBuilder, Unity3D, Gemini API