SHIVA KRISHNA REDDY BURRA

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PROFILE SUMMARY

Full Stack Developer with a strong interest in AI and system optimization. Proficient in JavaScript, Python, and Java, with experience in building web and desktop apps using React, Next.js, Node.js, and Electron.js. Skilled in MongoDB, APIs, Azure, and applying AI-driven solutions to improve performance and efficiency.

WORK EXPERIENCE

Software Developer Intern | Jul 2024 - Jan 2025
DeepThought EduTech Ventures Pvt. Ltd

I worked as a Full Stack Developer, where I was responsible for creating and integrating various websites. On the frontend, I used Smarty templating, LESS CSS, and jQuery, while on the backend, I built systems using Node.js and MongoDB. I ensured seamless integration between frontend and backend to deliver fully functional products, documented APIs and user interfaces, fixed bugs, and supported interns by explaining core development concepts. During this experience, I also learned and applied best practices like the MVP approach, brand positioning, and systems thinking.

PROJECTS

Educational Task Management System
Developed the majority of the backend (Spring Boot) and frontend (Next.js) for a collaborative Educational Task Management System. Implemented key features like task tracking, analytics, user authentication, and calendar integration for tutors and students.

GreenThicks
Built and deployed an e-commerce website, Greenthicks (greenthicks.live), using Next.js for the frontend and Node.js for the backend. Developed the entire backend and integrated it, deploying the application via Azure.

System Assistant Application
Developed a voice-controlled desktop application using Electron.js with a Python-powered backend. Enabled task execution via voice commands, enhancing user accessibility and automation.

Handwritten Digit Recognition Web Application
Built a web app to predict handwritten digits using a TensorFlow model trained on the MNIST dataset. Developed the frontend with HTML/CSS/JavaScript and integrated it with a Flask-Python backend.

CAPTAIN-OS
Currently developing CAPTAIN-OS, a custom 64-bit operating system built with C and Assembly, aimed at performance-focused gaming and productivity. It features a GRUB bootloader, multitasking, VGA text output, a FAT16 file system, and a basic shell, with ongoing work to expand its capabilities.

SKILLS

Technical
- JavaScript, Python, Java, C
- Web: HTML, CSS, React, Next.js, Bootstrap, jQuery, Smarty
- Backend: Node.js, Express, Flask | Databases: MongoDB, SQL
- Desktop: Electron.js | APIs: REST | Cloud: Azure, Vercel
- Version Control: Git, GitHub

Soft
- Problem-Solving and Debugging
- Self-Learning and Adaptability
- Collaboration and Mentoring
- Effective Communication

CERTIFICATION

Problem Solving Through Programming In C - NPTEL | 2023
Programming In Java - NPTEL | 2023
Programming in Python - SWAYAM MHRD | 2024
Career Essentials in Generative AI - Microsoft and LinkedIn | 2024
JavaScript - HackerRank | 2024

EDUCATION

Kakatiya Institute Of Technology & Science | 2022 - present
- Bachelr of Technology
- CGPA: 8.93/10.0

SR Junior College | 2020-2022