Prakash Bandapalli

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Professional Summary

Software Engineer with expertise in developing secure full-stack enterprise solutions, specializing in access control systems and administrative dashboards that enhance efficiency and protect revenue streams.

Education

CMR Technical Campus   Nov 2022 – Jun 2026
Bachelor of Technology, Computer Science and Engineering (Data Science) GPA: 8.68

Narayana Junior College   *Jun 2020 – Mar 2022*
Intermediate (MPC) GPA: 9.69

Bapuji High School GPA: 10   *Jun 2020*

Technical Skills

Programming Languages: C++, Java, JavaScript, TypeScript.

Tools and Frameworks: React.js, Express, Node.js, HTML, CSS, Tailwind CSS, Git, Git Bash.

Database Management: PostgreSQL, MongoDB, Firebase.

Soft Skills: Communication, Collaboration, Problem solving, Attention to detail, Leadership, Ownership/Accountability.

Experience

Software Engineer Intern: India In Pixels (iipmaps.com – a customizable map maker)   [Proof]   Nov 2024 – Feb 2025
- Engineered a **concurrent user access control system** that protected premium features and prevented an estimated 25% potential revenue loss from account sharing across 1,000+ users
- Created **collaborative organization dashboard** with project sharing capabilities and team management features, resulting in 85% reduction in onboarding time and 2x improvement in project completion rates
- Led the development of an **enterprise suite** with a custom pricing modal and serverless email notification system, reducing response time to customer inquiries by 70% and handling 200+ monthly communications
- Took full ownership of building a comprehensive **enterprise admin panel** that streamlined customer management by 40% through automated tracking of 500+ inquiries and integrated email notifications.
- Implemented **user ban feature** in the admin panel with search functionality, enabling admins to restrict site access for policy violators, resulting in 30% fewer reported violations and protecting 90% of users from harmful content.

DSA Mentor: Smart Interviews (An organization focused on teaching problem-solving and DSA)   Sep 2024 - Present
- **Mentored 120+ students**, assisting juniors in debugging their code and providing guidance on solving complex problems.

Participant: GirlScript Summer of Code (GSSoC'24)   May 2024 – Aug 2024
- Contributed to multiple open-source projects and achieved a ranking of 430 among 3,000+ participants.

Projects

ScriptFlow: [Project Link]   Jun 2024 – Aug 2024
- Developed an **AI application** automating YouTube script generation via a Google Gemini **multi-agent system**.
- Engineered iterative AI agent refinement (classification, writing, validation) achieving >8/10 script quality scores.
- Built with **Next.js (React)**, **Node.js** , and **MongoDB** for **genre patterns** & user-generated scripts.

Map Tracker: [Project Link]   Jan 2024 – Feb 2024
- Built a full-stack travel-tracking app using **Express.js**, **EJS**, **PostgreSQL**, and **bcrypt**, enabling users to log visited countries and visualize them on an interactive SVG map with dynamic color-coding.
- Mitigated 35% of security risks via **bcrypt encryption** and error handling.

Certifications

- Complete Web Development Bootcamp (Udemy)   Jun 2024 – Aug 2024
- Mentor (Smart Interviews)   Sep 2024 – Jan 2025
- Smart Coder (Smart Interviews)   Nov 2023 - Mar 2025

Achievements

- Won the inter-college quiz competition conducted by Intel Club among 30 teams, demonstrating strong problem-solving and critical thinking skills.
- Topped two internal coding contests conducted by Smart Interviews, demonstrating strong programming skills.