Pavan Kumar K S

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CAREER OBJECTIVE

Tech enthusiast and Computer Science student passionate about building impactful solutions through software development and AI. Seeking a role where I can apply my skills, grow professionally, and contribute to innovative technologies.

EDUCATION QUALIFICATIONS

*S J B Institute of Technology   Bangalore
Bachelor of Engineering in Computer Science   *2022– 2026*
CGPA: 9.0(1st - 5th semester)

Vidya Mandir Pre-University College   *2020-2022*
Score: 92.3%

St Ann's High School   *2020*
Score: 98.24%

PROFESSIONAL EXPERIENCE (INTERNSHIP)

Full Stack Web Development   October 2024 – December 2024
Varcons Technologies Pvt. Ltd.   *MG Road, Bangalore*

- Developed Luminous AI, an AI wallpaper generator, by building web interfaces and integrating **ML** features based on client needs.
- Contributed to theoretical design approaches and implemented front-end components, showcasing strong learning ability and problem-solving skills.

PROJECTS

- **AI-Powered Code Security Analyzer (In Progress) |** Inspired by AI Security Analyzer
  Currently developing a multi-language security analysis tool using **CodeBERT** and **CVE/NVD data** to detect source code vulnerabilities and insecure dependencies. The project aims to automate threat modeling, map attack surfaces, and generate actionable security reports through **REST API** integration.

- **GoTogether |** A reward-based, safety-focused ride-sharing Progressive Web App (PWA)
  Developed a full-stack **PWA** using **React.js (frontend)**, **Node.js (backend)**, and integrated **APIs**, offering features like OTP verification, SOS button for women's safety, driver ratings, gender-specific late-night assignments, and a rewards system redeemable for local partner services.

- **Skin Tone Detection for Enhanced ML** | AI, Image Processing, Machine Learning
  Developed a Skin Tone Detection Module using **OpenCV**, **TensorFlow/Keras**, **Django/FastAPI** for enhanced dermatological diagnostics, addressing biases in existing tools.

CERTIFICATES

Python Certification – Ethnotech
Advance Java Certification – Ethnotech
VRUDDHI 2025 – Career Development Program ,SJBIT & Ethnotech Academy

SKILLS

Languages: Java, Python, C, SQL
Web Technologies: HTML, CSS, JavaScript
Computer Fundamentals: Operating Systems, Database Management Systems, Computer Networks
Soft Skills: Strong communication, analytical thinking, teamwork, decision-making, leadership
Tools: Git, GitHub, Postman, VS Code , Eclipse

CO-CURRICULAR ACTIVITIES

- Developed innovative web apps during hackathons, including a **healthcare assistant** for **medication reminders** and disorder queries, and a **multilingual educational platform** for children featuring interactive, **practical-based learning** modules.
- Built an Airline Management System using **Java Swing** for GUI-based operations like flight booking, customer management, and staff scheduling; also developed a **Breast Cancer Prediction** tool using **Python** and machine learning to classify tumors as benign or malignant based on diagnostic data.
- Attended Microsoft's AI and Chai meetup gained insights into AI, Azure, and networked with professionals.