Sourabh Patil

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BE – Computer Science and Design
PES Institute of technology And Management
Shivamogga, Karnataka

Objective

Java Full Stack Developer| Python| AI and NLP Enthusiast

Aspiring Software Development Engineer Intern with strong foundation in Java, Python, and Data Structures & Algorithms, experienced in building scalable full-stack and AI-powered applications.

Education

- **BE(Pursuing): Computer Science And design** *2022-Present*
  PES Institute of Technology and Management Shivamogga, Karnataka
  CGPA (up to 7th Sem): - 8.8
- **Intermediate (PUC): PCMB**
  Smt Vidya P Hanchinmani PU Science College Dharwad, Karnataka
  Percentage:84.4%
- **School(10th)**
  Kendriya Vidyalaya No.2 Army Cantt Bhuj, Gujarat
  Percentage: 68.8%

Technical Skills

- **Programming languages:** Java, Python, C
- **Core CS Fundamentals:** Data Structures and Algorithms(DSA), Object-oriented Programming (OOP), Database Management Systems(DBMS), Operating Systems(OS), Computer Networks(CN).
- **Web Technologies:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS
- **Databases:** MySQL, SQL
- **Libraries and Frameworks:** Flask, OpenCV, MediaPipe, spaCy
- **Tools and Platforms:** Git, GitHub, MATLAB, Figma, StarUML, UiPath

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Projects

- **AirClick | Full Stack Development** *2025*
  - *Achieved **95%** gesture recognition accuracy, reducing manual interaction time by **40%** through an AI-powered Virtual mouse using gesture recognition.*
  - *Python, OpenCV, MediaPipe, Briefcase*
- **EduLeave | Full Stack Development** *2025*
  - *Developed a leave management system with student & HOD dashboards, achieving 95% automated leave approval workflow and improving request handling efficiency by 90%.*
  - *Next.js, TypeScript, Tailwind CSS, SQL, Node.js*
- **Inquiro | Web Development** *2024*
  - *Improved response speed by **60%** and reduced manual workload by **70%** by developing an NLP-based Departmental chatbot.*
  - *Python, Flask, spaCy, HTML, CSS, JavaScript*
- **DataLoc | WebApp with Database** *2023*
  - *Enhanced attendance tracking accuracy to **98%**, minimizing record errors by **50%** with a secure role-based Based access system.*
  - *PHP, MySQL*

Achievements

- Published a research paper titled "Inquiro: AI-Powered Department Chatbot" in the International Journal of Progressive Research in Engineering Management and Science (IJPREMS), November 2024 (Impact Factor: 7.001).
- Participated in Smart India Hackathon, showcasing team collaboration and innovative problem-solving
- Problem Solving: Practicing Data Structures & Algorithms on LeetCode (40+ problems solved).