

VIVEK V PAI

Software Engineer

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SUMMARY

Software Engineer with 3+ years of experience in **frontend, backend, and testing**, specializing in Angular and React for Frontend, React Native Expo for mobile app and Django for backend development. Proficient in JavaScript, TypeScript, Python, and basics of AWS, with a strong focus on building scalable and user-centric web and mobile applications. Experienced in writing effective test cases using Pytest, Selenium, and Jest. Holds a **Master of Science (MSc)** from Liverpool John Moores University and has served as a guest lecturer in Angular at DBIT. Fluent in English and Hindi with excellent communication skills and a proven track record in both open-source and enterprise projects.

SKILLS

Languages: Angular, Typescript, React, React Native (Expo), JavaScript, Selenium, Jest, Python, AWS, HTML, SCSS, Bootstrap, Tailwind and MySQL Basic.

Technologies: ChatGPT, Google Bard, Postman, Git, GitHub, Canva, Figma, Postman, Adobe Photo shop.

Speaking Skills: English, Hindi, Kannada, Konkani (Mother tounge).

PROFESSIONAL EXPERIENCE

Software Developer Jun '22 - Present
MetricDust Remote, IN

- **Managing** end-to-end mobile app development using React Native Expo, focusing on architecture and performance. Driving feature implementation for a smooth user experience
- Enhanced the ORCA open-source project at STORDIS by leading the development of ORCAAsk—**an AI-enabled chatbot**—while contributing to the **ORCA network library, Django backend, and React-based UI**. Implemented comprehensive test coverage using Pytest for backend and Selenium & Jest for frontend.
- **Developed Property Search Page Version 2**, reducing property API load times by **40%** and map rendering times by **71%** through optimization and image lazy loading, significantly enhancing the user experience.
- Spearheaded the development of the **V2.0 of the dashboard**, with advanced features and better a user friendly interface.
- Significantly improved S3 storage **and cost efficiency by 10%** using AWS S3 technology

Angular Development Intern Nov '21 - Jun '22
MetricDust Remote, IN

- Designed and developed MetricRealties, a fully functional SaaS product for real estate agents using Angular and AWS apis, leading to a **20% increase in agent productivity**
- Demonstrated proficiency in the Angular framework, integrating diverse REST APIs like **AWS Lambda** to drastically improve user experience by significantly reducing load time
- Collaborated on the enhancement of the public page for a leading real estate firm in the US, elevating its online visibility and user engagement by **20%** using Angular technology

EDUCATION

Master of Science Sep '23 - Mar '25
Liverpool John Moores University & upgrad Liverpool, UK

Conducted research on the efficiency and scalability of Micro Frontends in modern full-stack web development.

- **Secured Merit**

PG Diploma in Software Development Sep '22 - Mar '23

IIIT Bangalore & upgrad

Bengaluru, IN

- Secured 75 CGPA

B.E. in Computer Science

Aug '18 - Jun '22

Don Bosco institution of technology

Bangalore, IN

- Secured 8.24 CGPA

PROJECTS AND FREELANCING

- **Spandana hospital Vijayapur** | <https://spandanahospitalvijayapur.com/>
 - Designed and create a responsive website for Spandana Hospital Vijayapur, serving as the primary source of information for all users.
- **Shootshootstudios** | <https://www.shootshootstudios.com/>
 - Implemented a cutting-edge, responsive website that showcased the company's portfolio and effectively captured user attention.
- **IoT BASED SMART SURVEILLANCE (Final Year Project)** | <https://github.com/vivekvpai/final-year-project/>
 - Implemented an IoT-based intelligent surveillance technology focused on ensuring safety by incorporating advanced features such as face recognition, motion detection, weapon detection, silverware identification, and fire detection. This system aims to provide a secure and monitored environment through comprehensive data collection and analysis.
 - Software - python, HTML, CSS, VNC server.

CERTIFICATION

- JavaScript Algorithms and data structure | freeCodeCamp | Jan '23
- Angular (basics) | HackerRank | Jan '23
- React : The complete Guide | Udemy | Feb '22
- Front-EndWeb UI Frameworks and Tools: Bootstrap 4 | Coursera | Feb '20
- Practical PHP | Udemy | Nov '20
- Step into Robotic Process Automation | GUVI | Nov '20

AWARDS

- Silver medal in academics | Visvesvaraya Technological University
- 2nd place in Taluk Level Volleyball sports | Department of Undergraduate Education
- 3rd Place District level Hindi speech competition | Ramanagara jila Panchayat

POSITION OF RESPONSIBILITY

- Appointed as **Guest lecture** for Angular JS subject | DBIT
- Pioneered as **Team-leader** for Web development team | DBISEL innovation lab.
- **Coordinated** the DBMS project hands on 2 days session for juniors and **host** AICTE Activity | DBIT
- Gave a **Talk** on getting started with GitHub and its uses and hosting the websites in heroku | DBIT