

PRATHAMESH VAGARE

Pune, Maharashtra

+91 9130500665 psvagare@gmail.com [linkedin Profile](#) [Github Profile](#)

Technical Skills

Backend Development: Java, Python, Spring, Express, Node.js, Go, PHP.

Frontend Development: React.js, Recoil, Typescript, Flutter, React Native, Next.js, HTML, CSS.

Miscellaneous: Amazon AWS, AWS Lambda, S3, DigitalOcean, Docker, Kubernetes, PostgreSQL, SQL, MongoDB.

Professional Experience

SI T Solutions

Nov 2024 – Present

Software Development Engineer Intern

Pune, India

- **Rabbi Roots Grocery App** | *Flutter, Node.js, React.js, AWS, MongoDB, S3*
 - Developed a cross-platform mobile app for grocery e-commerce with a single vendor. Integrated payment and OTP services.
 - Used Google Maps API and GetX for state management to ensure smooth and responsive app performance.
- **PMC Water Tanker System** | *Flutter, React.js, Node.js, Google Maps API*
 - Built a mobile app to track wastewater usage and tanker orders for construction projects, initiated by PMC.
 - Contributed to a 25% increase in wastewater reuse in construction, improving sustainability.

SVRINFOTECH

Jan 2023 – Nov 2024

Software Development Engineer

Pune, India

- **Chess Playing Robot** | *Python, Roboflow models, Stockfish engine, Socket Programming*
 - Developed a machine learning model to control a Mitsubishi robotic arm for interactive chess gameplay with humans.
 - Integrated Roboflow vision models and Stockfish engine to make chess decisions based on visual input.
 - Implemented socket programming to facilitate communication between the ML model and robotic arm controller.
- **Licensing Service** | *C#, Windows Forms, Socket Programming, ASP.NET*
 - Created a licensing service for Roboanalyzer product, supporting node-based and floating license models.
 - Leveraged ASP.NET and Windows Forms with the Rhino licensing library for key generation, reducing costs by 70%.
- **React Website for Organization** | *React.js, HTML, CSS*
 - Designed and developed an interactive website showcasing company's products and research.
 - Incorporated light/dark mode to enhance user experience, increasing traffic by 80%.

Projects

E-WALLET | *Micro Services, Java, Spring Boot, MySQL, Swagger*

January 2019

- Developed two microservices (User and Wallet) to maintain user data and wallet transactions.
- Implemented Swagger for API Documentation.

Cloud-Native E-Commerce Application | *Java, MySQL, and Spring Boot*

January 2020

- Designed and developed a cloud-native e-commerce platform using microservices architecture.
- Leveraged AWS services for deployment, scalability, and reliability.
- Implemented user authentication and authorization using OAuth2 and JWT.

- Developed a convolutional neural network (CNN) for detecting diabetic retinopathy using datasets from Kaggle and hospitals.
- Trained the neural network on images and used visualization techniques like Deep Dream to uncover diagnostic and prognostic value in affected patients.

Achievements

- Contributed to the Hanko project (OAuth-based authentication system), implementing the "Sign in with Facebook" feature.
- Qualified for Google CodeJam Round 1, ranking **5212** out of 50,000 global participants.
- **22** rank in GFG at the institute level.
- **5** star coder at HackerRank.
- Developed strong problem-solving skills, object-oriented design, and complexity analysis.
- Solved more than 500+ problems across platforms.
- Completed the course on Server-side Development using MongoDB, Express.js, and Node.js on Coursera.

Education

Modern Education Society's College of Engineering

Bachelor of Engineering (CGPA of 7.86)

July 2019 - July 2023

Maharashtra, India