

Swarup Santosh Patil

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Education

SIES Graduate School of Technology, University of Mumbai

Mumbai, India

Bachelor of Engineering in Information Technology

May 2023

Coursework – Advanced Data Structures and Analysis, Software Engineering, Artificial Intelligence and Data Science, Blockchain and DLT, Management Information System and Software Testing and Quality Assurance

Skills

Programming: C, C++, JavaScript, Java, Python

Web Development: React.js, Redux, CSS3, HTML5, Next.js, Node.js, Express.js, Django,

Web Services/Platforms: Kubernetes, Docker, Postman, Google Colab, Heroku, Digital Ocean, Netlify

Databases: MongoDB, SQL Server, MySQL, PostgreSQL, Oracle

Technology Tools: Git, GitHub, VS Code, Linux, Figma, Jenkins

Soft Skills: Team Collaboration, Problem-Solving, Communication, Adaptability, Time Management, Critical Thinking

Work Experience

Jio Platform Limited

Mumbai, India

Assistant Manager

October 2023 - October 2024

- Developed and deployed a scalable full-stack automation portal using the MERN stack, Docker, and Kubernetes, reducing operational inefficiencies by 40% in a production-grade environment.
- Collaborated within a cross-functional Agile team to build and integrate key modules (Knowledge Base, URL Tracker, Traffic Monitoring), improving resolution time by 30% and boosting internal tool adoption.
- Implemented CI/CD pipelines with Azure DevOps, containerized services via Docker, and ensured uptime through Prometheus and Grafana monitoring.
- Practiced Git-based collaboration and code reviews, coordinated through sprints and standups, ensuring delivery of tested, maintainable code across the team.

Academic Projects

College Student Portal ([Link](#)) | MongoDB, Express, ReactJS (Hooks and Redux), NodeJS, Git

- Built a full-stack web application using the MERN stack to centralize campus events, announcements, blogs, and note-sharing, fostering a strong sense of student community.
- Integrated RSVP, calendar, and content features to streamline event participation, resulting in a 17% increase in attendance and 34% boost in overall engagement.
- Attracted over 9,000 hits post-launch and retained 2,500+ active users through effective SEO, social media outreach, and email marketing campaigns.

Travel log Web Application ([Link](#)) | Node.js, Express, MongoDB, EJS, AR.js, Agile

- Built a journaling app integrating AR.js for location-based image tracking, enhancing interactive travel memories.
- Implemented secure backend with user auth, geotagging, and content filtering; frontend built using EJS and custom CSS.
- Delivered using Agile sprints and testing cycles, improving interactivity and mobile usability across platforms.

Bugsquash Hackathon Platform ([Link](#)) | EJS, HTML5, CSS3, Express.js, JavaScript, Mongoose

- Engineered a full-stack hackathon management website allowing users to register, form teams, view problem statements, and submit projects, improving participant workflow and reducing organizer coordination by 50%.
- Designed dynamic, responsive EJS templates and RESTful APIs with Express.js and MongoDB, enabling real-time content rendering and handling 300+ concurrent user sessions during the live event.
- Integrated submission deadlines, validation logic, and team status tracking — streamlining the project intake process and enabling 100% on-time project collection for all registered teams.

Accomplishment

- Winner of Bugsquash'21, a college hackathon.