

Ganesh Patil

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EDUCATION

Northeastern University, Boston

**May 2024*

Master's in Computer Software Engineering (Information Systems)

Relevant Courses - Application and Engineering Development, Database Management, Web Design, Web Development Tools and Methods.

University of Pune, India

May 2020

Bachelor of Engineering

GPA: 9.21/10

SKILLS

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

Web Technologies : NodeJS, ReactJS, HTML5, CSS, Django, Rest API, Microservices, Ajax, Spring Boot, Spring MVC, Hibernate

Database Technologies : MySQL, MongoDB, Oracle, H2

Frameworks, Tools & Skills : AWS, Postman, Docker, Kubernetes, Jenkins CI/CD, Git, Jira, GitHub, Servlet, JSP, Agile Methodologies, Object-Oriented Programming, Bootstrap, Siemens Web Framework

EXPERIENCE

HCL Technologies | Pune, India

Software Engineer

Oct 2020 - Jun 2022

- Worked on development of resource-oriented, backwards compatible, versioned and logically nested Teamcenter server-side APIs. Build project specific custom data models using Business Modular Integrated Development Environment
- Developed an effective tool within Siemens Teamcenter web client to clone millions of CAD data assembly lines which improved overall performance by 25% and increased user engagement by 18%
- Conceptualized and delivered a real-time Data Migration Dashboard build on top of NodeJS and React which served advanced analytics tools and manipulates data which is in synchronization with H2 database to save 3 hours of daily manual toil
- Implemented a secure one way communication channel between an enterprise application database and Qlik analytics tool to fetch and process real time data for generating performance reports and sales statistics to provide crucial insights for key stakeholders which reduced overall lead time by 40%
- Contributed at HCL CoE (Center of Excellence) on development of new custom software solutions to optimize design workflows

Alsip Technologies | Pune, India

Feb 2020 - Sep 2020

Software Developer Intern

- Worked on development of an analytics software, implemented critical cross platform filters enabling business requirements.
- Involved in development of the RESTful APIs with Spring Boot and integrated with relational database
- Closely involved in production phase where I worked with operations team to deploy application on production servers with AWS using docker

PROJECTS

Jobme: Job Tracking Portal | NodeJS, ReactJS, ExpressJS, MongoDB, Heroku

Mar 2022 - Jun 2022

- Developed a full-stack web application 'Jobme' which facilitates an hassle-free way of managing and tracking job applications. Implemented a secure authentication system with JSON Web Tokens and by managing user sessions. Live deployed on Heroku
- Features: Login and Register, Guest Sign in, Create and Modify Profile, Add and Edit Job details, Search Sort and Filter Jobs, View Statistics – Bar graph and Area chart, Dashboard
- [Application Link](#) | [GitHub Link](#)

GPA Estimator | Python, Django, JavaScript, HTML, CSS, Bootstrap

Apr 2020 - May 2020

- Developed and deployed an application 'GPA Estimator' for students of 'University of Pune'
- This Python based application helps students to estimate their results based on relative difficulty preferences for each subject and provide insights to manage and plan their academic course work effectively
- [Application Link](#) | [GitHub Link](#)

Training Portal | C++, Object Oriented Programming, File handling, Database, Design Patterns

Nov 2020 - Jan 2021

- Developed C++ backend application which facilitates a dashboard and incorporate functionalities like scheduling training plans for trainers and enrolling in trainings for employees
- [GitHub Link](#)

PUBLICATIONS & ACHIEVEMENTS

- **Patent** - "Implementation of dynamic road Infrastructure as per run time requirement" - Implemented an effective way to maximize the utilization of present road infrastructure by optimizing uneven traffic density across lanes.
Status: Published | Patent No: 202021030039
- **Founder and Captain of Team Bolt**, where we designed and manufactured a smart electric bike equipped with several features including lane departure assist, cruise control, auto indicators. Achieved *All India Rank-2* in SAE (Society of Automotive Engineers) Electric Bike Competition, 2019 edition