

# 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.

### Maharashtra Institute of Technology, University of Pune

*May 2020*

Bachelor of Engineering

*GPA: 9.21/10*

## SKILLS

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

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

**Database Technologies :** MySQL, MongoDB, H2, Oracle

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

## EXPERIENCE

### HCL Technologies | Pune, India

#### Software Engineer

*Oct 2020 - Jun 2022*

- Worked on development of Teamcenter server-side APIs in C++. Build project specific custom data models.
- Developed custom UI interfaces and implemented thick client functionalities in JavaScript on top of Siemens web-based client Active Workspace.
- Worked on a project where I was responsible for design and development of Data Migration Dashboard build on top of NodeJS and React. The dashboard served advanced analytics and manipulate data which is in synchronization with H2 database.
- Contributed at HCL CoE (Centre 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.
- Involved in backend development of the APIs using 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 and deployed a full-stack web application 'Jobme' which facilitates an effective and hassle-free way of managing and tracking job applications.
- 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
- Designed RESTful APIs to perform CRUD operations. Implemented a secure authentication system with JSON Web Tokens and by managing user sessions. Live deployed on Heroku.
- [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 Management 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 and thus reduce the traffic congestion at peak traffic prone timings.  
Status: Published | Application No: 202021030039
- **Founder and Captain of Team Bolt**, where we designed and manufactured 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.