

# Gaurav Ghati

Irvine, CA 92612 | +1 (949)-620-9336 | gghati@uci.edu | <https://gauravg.in> | [github.com/gauravghati](https://github.com/gauravghati)

## EDUCATION

### University of California, Irvine

Sep 2023 – Dec 2024 (Expected)

Master of Computer Science

*Irvine, California*

Courses Fall 23 : Operating Systems, Databases Management and Advanced Programming with Problem Solving

### Pune Institute of Computer Technology

May 2018 – Jun 2022

Bachelor of Engineering in Information Technology, GPA : 9.21 / 10

*Pune, India*

## TECHNICAL SKILLS

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

**Tools:** Git, Docker, Google Cloud, Mongo Atlas

**Frameworks:** SpringBoot, NodeJS, Django, ReactJS

**Databases:** MySQL, MongoDB

## EXPERIENCE

### Bank of New York Mellon

Jul 2022 – Aug 2023

Software Engineer

*Pune, India*

- Developed an electronic signature application using Java SpringBoot and AngularJS. This application serves both our company's internal needs and is accessible to our clients for digitally signing documents.
- Increased code coverage in Java projects by 60%, using JUnit and Mockito.
- Resolved more than 100 Software Composition Analysis (SCA) and vulnerabilities issues.
- Adapted Agile methodologies, CI/CD, and Test-Driven Programming to uphold strong programming practices.

### Acumensa Technologies

Jan 2021 – Mar 2021

Software Developer Intern

*Bangalore, India*

- Built a Supply Chain Management software, using Django REST APIs and ReactJS.
- This project provides multiple features for producers, consumers, suppliers and sellers. And, solves the existing problem of backtracking if any error is found in goods.
- Implemented the permission and approval frameworks, using workflow actions.

### Indian Institute of Management Ahemdabad

May 2019 – Jul 2019

Summer Project Intern

*Ahemdabad, India*

- Worked under guidance of Prof. Sanket Mohapatra on a project "Development of External Risk Indices", created an educational finance website, utilizing JavaScript for frontend and Python's Flask framework for the backend.

## PROJECTS

### Technology Assisted Review | NLP, Django REST, ReactJS. | Github

Aug 2021 – May 2022

- Developed a Technology Assisted Review methodology using BERT and Bi-LSTM for document assessment.
- Reduced manual review and minimized biases by providing intelligent technology assistant for document review.
- Implemented incremental learning by using a ranking algorithm to prioritize uncertain documents, thus increasing review accuracy by ~ 45%.
- Employed pseudo rehearsal during incremental learning to prevent catastrophic forgetting and enhanced model training efficiency.

### Credenz Website Backend | NodeJS and ReactJS | Github

Oct 2020 - Feb 2021

- Designed backend APIs for Credenz's website (technical fest), It was utilized by more than 1200 users at a time.
- Include features like users registration, booking tickets for technical events, payment gateway etc.

### Clash RC | Django | Github

Aug 2019 - Sep 2019

- Built an online coding platform which was used by more than 300 participants in a technical fest (Credenz).
- Contestants can run, test and submit code in C, C++ or Python for various coding questions.

## EXTRA CURRICULAR

- Served as a technical head of PICT IEEE Student Branch (PISB) for more than three years.
- Contributed to a few open source projects like C++ based machine learning library (MLpack) and Mozilla website.
- Written three technical blogs on [medium.com/@gauravghati](https://medium.com/@gauravghati) on topics like Natural Language Processing (NLP) models.
- Volunteered with Teach for India for a period of 6 months, taught Mathematics and Science to high school students.