

# ISHIKA AGARWAL

SOFTWARE ENGINEER

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## PROFESSIONAL EXPERIENCE

### AMERICAN EXPRESS

#### Engineer - II

Aug'23 - Present

- Led the comprehensive design and integration of diverse APIs for the Enterprise Storage Platform.
- Implemented document enrichment and purging capabilities using Vert.x, boosting system efficiency by 50%.
- Spearheaded the initiative to implement analytics and reporting capabilities, enabling data-driven decision across all lines of business.
- Strategically integrated automation test suites into release pipelines, streamlining deployment processes, and significantly reducing manual testing overhead.
- Contributed to design decisions, guiding product direction and engaged in all phases of SDLC.
- Guided and mentored interns through varied sessions and individualised support.

#### Engineer - III

Aug '21 - Aug '23

- Integrated Virus Scanning Utility for enhanced security and data integrity.
- Played a pivotal role in API development, data migration, and regulatory compliance initiatives during the RBI-mandated India Data Localization project, guaranteeing uninterrupted operations and full regulatory adherence
- Developed critical APIs for seamless integration and enhanced platform capabilities.
- Fostered team growth, cultivated collaboration, and facilitated thorough onboarding for new joiners.

#### Analyst Intern

Jan '21 - June '21

- As a part of the Enterprise Communications team at Amex worked on providing a consistent experience to the card members that receive servicing and marketing communications across multiple channels like email, sms, letter and push.
- Designed a Machine Learning POC to predict the best suitable time to send communication to customers by analyzing their interaction patterns.

## EDUCATION

### Bachelor of Technology in Computer Science

Mody University of Science & Technology 2017- 2021

CGPA: 8.8

- Led a team of 30 women in tech, organising tech-related activities.
- Spearheaded a team of 40 women engineers for entrepreneurial initiatives with [Enactus.org](#).
- Contributed as a core team member in various Clubs & Societies.

## SKILLS

- Languages: Java, Python, C++, SQL
- Framework/Libraries: Vertx, Pyspark, Pandas, Numpy, Matplotlib
- Databases: Couchbase(NoSQL), MySQL
- Tools/Technologies: Git, Maven, Splunk, CICD, Postman, Tableau
- Web Development: HTML, CSS, JSON, Bootstrap
- Concepts/Practices: DSA, OOPs, Design Patterns, Agile

## PROJECTS

### COVID 19 Trend Analysis

Created visually impactful dashboard in Tableau for data reporting on Covid dataset and identifying major trends.

### FACE DETECTION SYSTEM

Developed a facial recognition system using Haar cascade classifier and other python libraries. Additional feature includes: smile detection, eye detection

### RED WINGS

An online portal for blood donors and receivers, created using Bootstrap, CSS, MySQL, PHP. Deployed on cloud using AWS(Amazon Web Services)

## EXTRA CURRICULAR

- Semifinalist of TechGig Geek Goddess Coding Challenge 2021
- Keynote speaker at an event conducted by the Computer Society of India (CSI), Mody University.