

# Mohd Uwaish

STUDENT · SOFTWARE ENGINEER

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## Skills

<b>Programming</b>	Python, Java, C, JavaScript, PL/SQL, SQL
<b>Web</b>	Django, Flask, ReactJS, HTML, CSS, Bootstrap, REST APIs, Web Services, Websockets, Ajax, JSON, XML, SMTP
<b>Databases</b>	MySQL, MongoDB, SQL Server, Oracle
<b>DevOps Tools</b>	Git, GitHub, Docker, Kubernetes, AWS
<b>Agile Methodologies</b>	Scrum
<b>Software Development Lifecycle</b>	Requirements Gathering, Design, Development, Testing, Deployment, Maintenance
<b>Software Development Tools</b>	Anaconda, Jupyter, PyCharm, Visual Studio Code, Sublime Text, IntelliJ IDEA, Eclipse
<b>Other Skills</b>	Tableau, Microsoft Office Excel, Microsoft Office Word, Microsoft Office Powerpoint, Toad, PuTTY
<b>Soft Skills</b>	Communication, Collaboration, Teamwork, Problem-solving, Creativity, Time-management
<b>Languages</b>	German (A1), English (C1), Hindi (Native)

## Experience

### Tata Consultancy Services Private Limited

New Delhi, India

SOFTWARE ENGINEER

08/09/2021 – 10/04/2023

- Worked on the development of the Income Tax Business Application (ITBA) for the Indian Government's Income Tax Department, a critical project serving Income Tax officers and millions of taxpayers.
- Developed full-stack solutions for the PENALTY module of the ITBA using HTML, CSS, JavaScript, Java, PL/SQL and Oracle Database to build a robust and scalable web-based tax processing system.
- Engineered a highly efficient web-based tax filing system, resulting in a 20% increase in user engagement and a 15% reduction in processing time for tax filings.
- Implemented complex business logic and dynamic functionalities in the back-end by writing optimized Java code integrated with Oracle database.
- Designed and executed database queries, PL/SQL procedures, triggers, and functions, optimizing data models and achieving a 18% reduction in database response time to enhance UI responsiveness.
- Regularly identified and resolved over 100 bugs and technical issues reported by quality assurance and support teams, ensuring a smooth and uninterrupted user interface performance.
- Collaborated with cross-functional teams, including architects, business analysts, and software testers, achieving an on-time delivery rate of 96% for project milestones.
- Written well-documented code compliant with software development standards and guidelines.
- Leveraged Agile methodologies to iteratively develop and deploy functionalities, resulting in 9 successful change requested and 3 new functionalities release in a fast-paced environment, consistently aligned with evolving user requirements.

## Education

### Georg-August-Universität Göttingen

Göttingen, Germany

MASTER OF SCIENCE - MS IN APPLIED COMPUTER SCIENCE WITH SPECIALIZATION DATA SCIENCE

01/04/2023 - PRESENT

### Guru Gobind Singh Indraprastha University

New Delhi, India

BACHELOR OF TECHNOLOGY - BTECH, COMPUTER SCIENCE AND ENGINEERING

01/05/2017 – 30/05/2021

- Completed the degree with 8.01 CGPA out of 10.

## Projects

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### Digital Danke Schön: Blog and Consultancy web application

Germany

DIGITALDANKESCHOEN.COM

01/05/2023 - PRESENT

- A full-stack web application utilizing Django, JavaScript, HTML, CSS, and Bootstrap. Deployed on AWS cloud platform.
- Created an interactive platform for administrators to publish blog articles, fostering user engagement through like, comments and replies.
- Implemented features enabling users to schedule one-on-one consultation sessions, enhancing study abroad aspirants' user experience and engagement.
- Designed the website to facilitate the posting of diverse opportunities by administrators, including study abroad choices, job listings, and scholarships.

### Eth-Ocracy : Ethereum Blockchain based Voting System

Undergraduate Major Project

PROJECT REPORT LINK

01/10/2020 – 30/04/2021

- Developed an Ethereum blockchain-based voting system to facilitate remote voting during the Covid pandemic, ensuring secure and verifiable voting processes.
- Implemented a three-part system with a frontend (HTML, CSS, JavaScript, Bootstrap), CORE (Ethereum Blockchain, Ganache, MetaMask, Truffle), and backend (Node.js) to handle concurrent requests for over 3 million voters.
- Integrated AADHAR API for proper verification of voters' details, utilizing unique AADHAR card numbers to enhance security and accuracy.

### Video Recommendation System

Undergraduate Minor Project

PROJECT REPORT LINK

07/01/2020 – 31/07/2020

- Developed a video recommendation engine using collaborative filtering algorithms including user-based and item-based nearest neighbors approaches.
- Built front-end UI with ReactJS to display video recommendations to users based on watch history and preferences.
- Constructed back-end RESTful APIs with NodeJS and Express to serve recommendation data and interface with front-end.
- Leveraged Firebase for user authentication, data storage, and hosting video content.
- Generated video correlation matrix using Pearson's correlation coefficient to find similarities between users and videos.
- Deployed machine learning recommendation model using Python Flask framework for scalable and reliable predictions.
- Used agile development methodologies and Git version control throughout project lifecycle.
- Contributed to all stages of development including planning, coding core algorithms, integrating front and back ends, testing, and deployment.
- Gained experience with developing complex, large-scale video recommendation engines using collaborative filtering and correlation algorithms.

## Certificates

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### Complete Python Bootcamp: Go from zero to hero in Python 3

UDEMY

CERTIFICATE LINK

03/06/2020

- Learned and mastered the fundamentals of Python programming language.

### Learn Ethical Hacking From Scratch

UDEMY

CERTIFICATE LINK

22/07/2020

- Learned Ethical Hacking Methodologies, Vulnerability Assessment, Exploitation Techniques, OWASP, tools like Nmap, Metasploit Framework, Wireshark.

### Machine Learning A-Z: Hands-on Python and R in Data Science

UDEMY

CERTIFICATE LINK

03/10/2022

- Learned about Machine Learning project lifecycle, Data Preprocessing, various Machine Learning techniques such as Regression, Classification, Clustering, and fundamentals of Deep Learning.