



Animesh Singh Chouhan

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[Website](#)



[GitHub](#)



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EDUCATION

Bachelor of Technology in Ocean Engineering and Naval Architecture

Aug 2017 - Mar 2021

Indian Institute of Technology Kharagpur

CGPA: 8.4/10

Awarded President of India Silver Medal for best performance in the department

EXPERIENCE

Software Engineer II | JPMorgan Chase & Co.

SEP Software Engineer II

Jan 2023 - Present

- Designed and implemented a scalable microservices architecture for a high-traffic application, ensuring 99.9% uptime and performance.
- Collaborated with cross-functional teams to identify and resolve production issues, reducing mean time to resolution (MTTR) by 50%.
- Optimized database queries and implemented caching mechanisms, resulting in a 30% improvement in application response time.
- Mentored junior developers and provided technical guidance on best practices for software development and system architecture.

Please reach out to the above mentioned email address or LinkedIn message for full Resume.

SEP Software Engineer I

July 2021 - Dec 2022

- Developed and deployed a new feature for a core business process, increasing operational efficiency and user satisfaction.
- Conducted thorough code reviews and unit testing to ensure high quality and reliability of the software.
- Participated in on-call rotations and incident response, demonstrating strong problem-solving skills and commitment to system availability.
- Contributed to the development of internal tools and automation scripts, saving significant manual effort.
- Maintained detailed documentation for all code changes and system components.

Summer Intern | JPMorgan Chase & Co.

June 2020 - July 2020

- Built a web app to help the deaf and mute people communicate using the Indian Sign Language (ISL)
- Used Flask and OpenCV for backend, React for frontend and Tensorflow for machine learning pipeline

PROJECTS

Openodha: Open source stock exchange simulator(Ongoing)

- Openodha is a self-hosted stock exchange simulator built using Next.js, React, Material UI, and FastAPI
- Currently signup and authentication have been successfully implemented using PostgreSQL and Redis
- Exchange engine and trade matching algorithms are undergoing development and testing

Source Code: <https://github.com/animesh-chouhan/openodha>

Wordle Solver

- Wrote a Python script to solve a popular word game Wordle automatically
- Implemented it using pypeteer a Python port of puppeteer chrome browser automation library

Source Code: <https://github.com/animesh-chouhan/wordle-solver>

VCF Creator

- Developed a Python package for importing and saving large contact lists from spreadsheets
- Published the package to PyPI and also implemented CI/CD using Travis and CodeCov
- Built a web app using Flask as backend and Bootstrap for frontend and deployed it to Google App Engine

Source Code: <https://github.com/animesh-chouhan/vcf-creator> Website: <https://vcf.animeshchouhan.com>

Youtube Playman

- Wrote a bash script that downloads YouTube music playlists and also automatically updates them
- Built With youtube-dl: a command-line program to download videos from YouTube

Source Code: <https://github.com/animesh-chouhan/youtube-playman>

Astria: Intelligent Search Engine for Lawyers and Common people

- Semantic search for queries based on natural language using Google's Pre-trained NLP Model BERT
- The backend was developed using Flask and a database linked to the frontend using AJAX

Source Code: <https://github.com/LLRHall/Astria>

SKILLS AND EXPERTISE

Languages: Python, JavaScript, C/C++, HTML/CSS, Bash

Backend: FastAPI, Flask, PostgreSQL, SQLite, Redis, Celery

Frontend: Bootstrap, React, Next.js

Tools: AWS, Git, Docker, Jenkins, CodeCov, Jupyter Notebook

Certifications:

- NDG Linux Essentials (Cisco Networking Academy)
- Master Performance Testing (Blazemeter University)
- AWS Certified Cloud Practitioner (Amazon AWS)

SCHOLASTIC ACHIEVEMENTS

- Secured an All India Rank of **1456** in **JEE Mains**, 2017 among **1.4 million** candidates
- Secured an All India Rank of **5493** in **JEE Advanced**, 2017 among **0.2 million** candidates
- Awarded **Kishore Vaigyanik Protsahan Yojana (KVPY)** Fellowship by **DST, Government of India**
- Awarded **National Talent Search Examination (NTSE)** Fellowship by the **NCERT, Government of India**
- Awarded **Certification of Merit** in **NSEC** for being placed in State-wise **top 1%** by **IAPT**