



Animesh Singh Chouhan

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www [Website](#) [GitHub](#) [LinkedIn](#)

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

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Cannot disclose the project details publicly. Please reach out to the above mentioned email address/LinkedIn for the full Resume.

SEP Software Engineer I

July 2021 - Dec 2022

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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**