

Adarsh Maurya

Software Engineer

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Education

B.Tech, Computer Science and Engineering, 8.39 CGPA,
IET Bundelkhand University

Dec 2020 – Jul 2024 | Jhansi, India

Data Science Masters, PhysicsWallah [↗](#)

Jan 2023 – Dec 2023

Professional Experience

Research Associate Intern, Indian Institute of Technology Kanpur [↗](#)

Sep 2023 – present | Remote

- Created comprehensive virtual lab simulation applications using 7-8 technologies including CSS, JavaScript, Figma, Vectary, Webflow and jQuery, after thorough analyses of the data and machines involved.
- Utilized Object Oriented Programming concepts to design and implement features that replicate real-world conditions and provide users with an interactive experience in the field of Advanced imaging in Transmission Electron Microscopy.

Data Science Intern, iNeuron.ai [↗](#)

May 2023 – Jul 2023 | Remote

- Completed end-to-end Phishing Domain prediction ML project in the Cybersecurity domain with a team of 4 members.
- Used Flask framework and a dataset of 88,647 records and 111 features, applied hyperparameter tuning with GridSearchCV on Random Forest Classifier.
- Built and trained machine learning models using various algorithms such as logistic regression, decision trees, svc, random forests etc. and achieved 95.09% accuracy in predicting phishing domains, and hosted on AWS Elastic Beanstalk

Software Development Engineer Intern, Tigbar [↗](#)

Oct 2022 – Dec 2022 | Remote

- Collaborated with Django (DRF) Backend Development Team of 4 to create custom Middlewares and test REST API's.
- Conducted Load Testing using the locust library which resulted in an improvement in API response times by 35%.
- Contributed to developing share links for posts and resolved blocked user bugs in a social media app which resulted in a 20% increase in daily active users. Learned about Celery and Redis.

Projects

LinkPad, Academic Project [↗](#)

Oct 2023 – present

- Building an Alumni Portal with fake information classifier project using Django and NLP to identify fake information articles on the platform. The classifier utilises Bi-directional RNN model having an accuracy of over 92%.
- Developed 10+ features including: user profiles and dashboards, job and internship matching, content recommendation, chatbot, event management, analytics and insights, content generation, data security and privacy, feedback.

Vision Based Attendance System, Professional Development Project [↗](#)

Jul 2023 – Jul 2023

- Spearheaded design and implementation of a cutting-edge CNN model using Tensorflow, Keras, InsightFace and Softmax. Achieved an exceptional accuracy rate of 92.76% in facial recognition.
- Implemented advanced data preprocessing techniques using OpenCV, including face detection, alignment, and image augmentation, resulting in a highly accurate and adaptable face recognition system that reduced false positives by 40%.

Anti-Doping WebApp, Smart India Hackathon 2022, Backend Developer [↗](#)

Mar 2022 – Aug 2022

- Developed a Web App for the Ministry of Youth Affairs and Sports, India using HTML, CSS, JavaScript, Bootstrap, Django, DRF, mongoDB and REST API's.
- Included features such as a chatbot, multi-language support, search drugs and video-conferencing. (10+ features).
- Converted the WebApp into an Android App, enhancing user experience by around 60%.

Skills

Programming Language (C++, Python, Data Structures and Algorithms),

Web Development (Django, ReactJS, JavaScript, Flask, Webflow, JQuery, Databases (SQL, sqlite3, Postgresql, MongoDB)),

Data Science (Data Visualisation (PowerBI, Tableau, Matplotlib, Seaborn) Machine Learning (Scikit-Learn, Tensorflow, Keras, PyTorch) Data Manipulation (Pandas, NumPy, SciPy), NLP, CNN, Statistics, Big Data (Hadoop, Spark)),

CourseWork (OOPS, DBMS, Operating System, Computer Networks, Java),

Cloud/Version Control (AWS, Git/Github, CI/CD, Docker)

Achievements

- 1782 rating on Leetcode (Top 8% globally). Global rank 3678 among 29939 participants in Biweekly Contest 111.
- 700+ Problems Solved on Leetcode and a total of over 1200+ DSA problems including platforms: HackerRank, GFG
- Presented an innovative startup idea that leverages AI/ML in Education including quizzes, assignments, videos, etc. at IDE Boot Camp 2023, NITTTR Chandigarh, Ministry of Education, Government of India.
- Grand Finalist of Smart India Hackathon 2022, among 30,000+ teams from various engineering colleges.