

Aniket Ghumed

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WORK EXPERIENCE

University of North Carolina at Charlotte

Graduate Teaching Assistant

Aug 2023 – present
Charlotte, NC, USA

- In the Software System Design and Implementation course, contributed to curriculum development, conducted exam proctoring and grading, and offered timely support to fellow students.

HERE Technologies

Software Engineer Intern

May 2023 – Aug 2023
Chicago, IL, USA

- Developed and refined user-centric methods for Python Data SDK. Improving usability and code maintainability, empowering users to achieve their data analysis objectives more efficiently and effectively.
- Led optimization efforts for Python Data SDK methods. Achieved efficiency gains of up to 40% through method enhancements, significantly improving the overall performance and responsiveness of the SDK.
- Managed Gitlab pipelines, ensuring seamless integration and deployment, leading to a 20% reduction in deployment time.

University of North Carolina at Charlotte

Graduate Research Assistant

Jan 2023 – May 2023
Charlotte, NC, USA

- Pioneered the development of a sophisticated desktop application in Python, instrumental in advanced research within the Systems and Engineering Department.

HERE Technologies

Software Engineer II

Jul 2020 – Aug 2022
Mumbai, India

- Led development of the HERE Data Python SDK for efficient exploration, analysis, and visualization of location data, expediting large-scale location data analysis and machine learning development.
- Involved in architecture design, codebase development and collaboration with multiple teams.
- Generated client SDKs for HERE data APIs, integrating them into the Python SDK for enhanced functionality, expanded the Python SDK's capabilities, enabling it to interact seamlessly with HERE data APIs.
- Implemented Unit and Integration tests, managed GitLab pipelines, and oversaw the release process of the Python SDK

Quantiphi Analytics (AthenasOwl)

Software Engineer

Feb 2018 – May 2020
Mumbai, India

- Crafted web services for multimedia data analysis, for features such as Face Recognition, Emotion Detection, and Camera Cut Detection, working from architecture design to coding, testing, and deployment.
- Optimized backend for a media tagging tool using Python, Django, and MongoDB, enhancing data storage and analysis capabilities for ML predictions, reduction in response times and improved scalability.
- Gained hands-on experience with Docker and implemented an event-driven architecture on Google Cloud Platform, leveraging services like Cloud Functions, Storage, and Compute Engine for scalable solutions.

EDUCATION

University of North Carolina at Charlotte

Master of Science in Computer Science

Aug 2022 – present
Charlotte, NC, USA

Courses: Data Structure and Algorithms, Cloud Computing, Big Data Analytics, Software System Design and Implementation, Database Systems, Intelligent Systems, Computer Communication and Networks.

Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering

Aug 2013 – May 2017
Pune, India

SKILLS

Languages and Databases:	Python, Java, JavaScript, C++, Go, MongoDB, MySQL, PostgreSQL, Oracle, Redis
Web Technologies:	HTML5, CSS, React, NodeJS, jQuery, JSON, Bootstrap, RESTful Web Services, API
Frameworks:	Django, Spring, Flask
Cloud and Deployment:	Amazon Web Services, Google Cloud Platform, Docker, Firebase, Jenkins, Kubernetes
Others:	Linux, Windows, macOS, Visual Studio Code, IntelliJ, Eclipse, PyCharm, GitHub, Jira

ACADEMIC PROJECTS

AgileBoard

- Developed a Project Management Tool using MERN Stack for efficient team-based task and project management.

3D - Tic Tac Toe Game

- Engineered a complex 3D Tic Tac Toe game in Java with 64 slots, implementing advanced MinMax Algorithm for AI moves.

Restaurant Search Chat-bot

- Leveraged the Rasa framework to craft an intuitive chatbot facilitating restaurant discovery across Indian cities using the Zomato API.

Real-Time Pose Estimation

- Designed and implemented a real-time pose estimation system using webcam and MediaPipe Holistic model.

CERTIFICATES

Post Graduate Diploma in Advanced Computing (CDAC)

Post Graduate Diploma in Machine Learning and Artificial Intelligence (IIIT Bangalore) | Associate Google Cloud Engineer

AWS Cloud Foundations | AWS Machine Learning Foundations