

Kshitiz Lakhotia

602-497-9217 | klakhotia04@gmail.com | LinkedIn | Github | Portfolio

EDUCATION

Arizona State University

Aug 2022 – May 2024

Master of Science in Computer Science

GPA 3.89/4.0

- Mobile Computing, Statistical Machine Learning, Data Processing at Scale.

Manipal Insitute of Technology, India

Aug 2018 – May 2022

Bachelor of Technology in Information Technology

GPA 8.71/10

- Data Structures and Algorithms, Web Development, Computer Networks, Operating Systems.
- Open Source contributions to Chapel (Google Summer of Code 2021 Organization)

SKILLS

Languages: Python, C++, JavaScript, Java, C, Go, C#, SQL, Bash.

Technologies: Node, React, Django, Express, FastAPI, AWS, Docker, Kubernetes, NumPy, Pandas, Git.

EXPERIENCE

Cohesity

Jan 2022 – July 2022

Software Engineer Intern

- Achieved a 60% increase in reliability, as measured by reduced downtime, by automating defective parts return.
- Increased fault detection recall by 30% through integrating Bash scripts in Cohesity Helios and using alert APIs.
- Enhanced support team responsiveness by delivering concise error logs summary via mail using Python and SMTP.

Axis Bank

May 2021 – July 2021

Data Science Intern

- Obtained an accuracy improvement of ~12% by executing a challenger model to the existing credit risk model.
- Identified optimal algorithm for data using H2O AutoML and fine-tuned hyperparameters using Grid Search CV.
- Enabled model interpretability by ranking feature importance using Shapley value and Permutation Importance.

ICICI Securities - Fixed Income

Mar 2021 – May 2021

Software Developer Intern

- Developed a Market Analysis System that expedited analysis by 10 minutes using Python and Yahoo Finance API.
- Constructed Python modules for calculating indicators: Simple Moving Average, Commodity Channel index, etc.
- Designed a 3-page Graphical User Interface with Tkinter to facilitate data visualization using Matplotlib.

Autovista

May 2020 – July 2020

Full Stack Developer Intern

- Innovated a Customer Relationship Management dashboard built using Django, React, and PostgreSQL.
- Improved real-time performance and reduced search time in database queries by 25ms through indexing.
- Accomplished a 10% increase in lead conversion rate by implementing lead capture forms and lead prioritization.

PROJECTS

Omni-Chat | C++, Node, JavaScript, HTML, CSS

- Pioneered a scalable chat by integrating C++ and Node.js servers using socket programming for up to 50 users.
- Incorporated Multithreading, to handle concurrent connections and messages, reducing message latency by 10s.
- Utilized JavaScript prompts to capture users' language to translate incoming messages using Translatte API.

TaskWise | Node, React, MongoDB, JavaScript, HTML, CSS

- Engineered a task manager using Node, React and MongoDB, allowing task creation, deletion, and assignment.
- Augmented task visibility by providing sort by task deadline and task importance options on the dashboard.
- Crafted a color-coded tag system for tasks and programmed tag filtering to optimize task organization.

QR Attendance | Flutter, PostgreSQL, FastAPI

- Led the development of an attendance application using Flutter, PostgreSQL, and FastAPI gaining 250+ users.
- Created REST APIs with FastAPI to enable CRUD operations and fetch attendance records from the database.
- Increased faculty users by 25% via feedback-driven features: CSV export, late time constraints, dynamic QR.