

Pranav Mittal

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EDUCATION

M.S Computer Science (Arizona State University)

Expected May 2025

B.S Computer Science

May 2024

Minor: Business

Arizona State University

GPA: 3.96/4.0

Honors: Summa Cum Laude, Dean's List: Fall 2020 – Spring 2024

TECHNICAL SKILLS

Programming Languages: Java | Python | C++ | JavaScript | React | HTML5 | MySQL | JavaFx | Junit | SwiftUI | Rest API

Tools: MacOS | Selenium | VS Code | XCode | Machine Learning | Jupyter | Github | Unity | Atlassian JIRA | Vercel | Google Colab

Libraries: TensorFlow | NumPy | Pandas | Matplotlib | PyTorch | Seaborn | OpenCV | scikit-learn | Keras

PROFESSIONAL EXPERIENCES

Software Test Engineer Intern

June 2024 - Present

Spark Cloud Studio

Remote

- Developed and executed comprehensive test cases for website and app using JIRA, identifying and resolving bugs to ensure high-quality releases.
- Contributed to frontend development using Svelte and JavaScript, and supported backend functionalities with Vercel and JavaScript, enhancing overall user experience.
- Collaborated with cross-functional teams to streamline project workflows, communicate progress, and implement best practices in software testing and development.

Software Developer Intern

June 2023 - August 2023

Hexagon AB

India

- Implemented a new feature to the Apollo software to display names of files searched by co-ordinates or string.
- Developed new GUI to navigate missile path around globe and demonstrated it to Indian Defense System.
- Collaborated in a team of 4 to create a new GUI in Python Luciad Lightspeed Software and did Full Stack Development.

Software Engineering Intern

May 2021 - November 2021

Insigma Technologies Inc

Remote

- Built a face mask detection model deploying TensorFlow & Pandas would detect if a person is wearing mask.
- Served in sample security cameras during time period of COVID-19 at various locations.
- Formulated with over 2000 sample images with three different types of masks for training and testing purposes.

RELEVANT PROJECTS

Sign Language Detection System for Mute/Deaf People

February 2024 - April 2024

- Recognized for outstanding design with 98% accuracy; developed heuristic model capable of registering hand gesture.
- Deployed computer modeling and image processing algorithms, building neural network with 90% accuracy.
- Demonstrated strong technical proficiency in leveraging new technologies, including OpenCV and machine learning, to create a user-friendly platform bridges communication gaps for mute people.

Directional Stock Price Prediction using Tweets and News

January 2024 – April 2024

- Engineered a predictive analytics web tool leveraging NLP and machine learning techniques, including BERT, LSTM, and XGBoost, achieving 78% predictive accuracy.
- Employed HTML and CSS to architect a user-centric interface facilitating dynamic retrieval and analysis of open-source news for Fortune 500 stock price predictions, customizable over user-defined intervals.

Meal Selection App

August 2020 - November 2020

- Developed a Meal Recipe App using JavaScript, React-Native, and Expo where a person can select any meal of choice and get the ingredients and method to make that recipe.
- Prepared gourmet meals for buffet and facilitated improvement of nutrition measure by 25%.
- Generated recipe to a specific kind of dish selected by user and can be star marked as favorite by user.

OTHER EXPERIENCES

Technical Assistant

January 2022 - Present

Dreamscape Immersive, UTO, Arizona State University

- Guide biology students demonstrate treatment of cancer causing cells using Augmented and Virtual Reality shows.
- Solve troubleshooting and technical problems with VR and tracking devices.
- Hosted multiple AR and VR demonstration to showcase capabilities of new technologies to investors.

Undergraduate Teaching Assistant

January 2023 - May 2023

Arizona State University

- Instructed Principles of Programming (CSE 110) course's lab and helped 120+ students implementing java language.

LEADERSHIP EXPERIENCE

Co-Technical Director, Sun Devil Data Science, ASU

June 2021 - August 2022