Maanav Patel

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EDUCATION

University of Illinois at Urbana-Champaign | Champaign, IL — Anticipated Graduation: Dec 2022
➢ Bachelor of Science in Statistics and Computer Science with Business Minor — GPA: 3.72

COURSEWORK

➢ Data Structures
➢ Algorithms and Models of Computation
➢ Programming for Data Science
➢ Artificial Intelligence
➢ Statistical Computing
➢ Database Systems
➢ Linear Algebra
➢ Web Programming

WORK EXPERIENCE
Total: 40 months

Engineering Assistant – SPE Intern | Solar Turbines | San Diego, CA | Full Stack, UI/UX
May 2022 — Aug 2022

Plant Visualization Team — JavaScript, HTML/CSS, SQL, C#
➢ Developed a custom organization tool to streamline workflow for station operators and decreased set up time by 50%
➢ Integrated Bootstrap into existing front end to modernize UX which increased efficiency to control machinery
➢ Facilitated accurate estimations by enhancing alarm data visualization through upgraded interface and charts using d3.js

Enterprise Technology Intern – RDC | State Farm | Champaign, IL | Full Stack, Data Analytics, Project Management
Aug 2019 — May 2022

Service Now — JavaScript, SQL
➢ Predicted work groups for ServiceNow ticketing with 82% accuracy by implementing classification models
➢ Set up a framework to estimate resolution time for ServiceNow tickets using regression models

Agent Virtual Assistant — HTML/CSS, JavaScript, Java, React.js, SQL
➢ Predicted lifespan of technologies used throughout the enterprise through creating and refining machine learning models
➢ Guided technology teams to help 20,000 insurance agents with social media marketing by creation of a virtual assistant
➢ Optimized backend API functions to decrease load times by 250% which was used by the virtual assistant

Availability Monitoring — Docker, Kubernetes, Python, HTML/CSS, JavaScript, SQL
➢ Incorporated cloud technologies into availability monitoring web app and formulated plans to decrease response time by 50%
➢ Created visualizations of availability data and refined data queries using SQL within Grafana
➢ Administered and supported deployments using Kubernetes and Docker for availability monitoring webapp

Enterprise Technology Intern | State Farm | Bloomington, IL | Full Stack
May 2017 — Aug 2019 — Docker, HTML/CSS, Java, JavaScript, Spring, SQL

➢ Developed a website to track recreational activities and events, discounts, and other local benefits for internal employees
➢ Aided in the migration of a tool written in Visual Basic to move it to a webapp that uses Spring Boot
➢ Tracked Agile practices for teams throughout State Farm by developing a web application with Ember.js

PROJECTS

Stock Price Predictor | INFO 490: Machines, Data, and Python — Python
➢ Analyzed historical trends for user specified stocks to predict the change in another stock using Pandas and NumPy along with the Yahoo Finance API

Canon Movie Maker | CS 126: Software Design Studio — C++, Cinder
➢ Programmed a tool to help create time lapses and stop motion films with a Canon DSLR. Used C++ and Canon SDK, to interface with the camera which also allowed the user to utilize any display as a digital viewfinder.

Life with Geoff | CS 125 Intro to Computer Science — Java, XML
➢ Created an AR Android app that uses facial recognition to superimpose a picture onto other's faces

TECHNICAL SKILLS

• AR	• Docker	• Java	• Machine Learning	• Python
• C/C++	• Flask	• JavaScript	• MongoDB	• React.js
• Data Science	• HTML/CSS	• Kubernetes	• Project Management	• SQL

Work Authorization: U.S. Citizen