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

COURSEWORK

- Data Structures
- Algorithms and Models of Computation
- Programming for Data Science
- Artificial Intelligence
- Statistical Computing
- Database Systems
- Linear Algebra
- Game Development

WORK EXPERIENCE
Total: 40 months

Engineering Assistant – SPE Intern | Solar Turbines | San Diego, CA Full Stack, UI/UX
May 2022 — Aug 2022 JavaScript, HTML/CSS, SQL, C#

- Streamlined workflow for station operators and decreased set up time by 50% by engineering a custom organization tool
- Improved UI by integrating Bootstrap into front end and modernized UX to help with efficient controllability of 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 Data Analytics, Project Management, Full Stack
Aug 2019 — May 2022 HTML/CSS, Java, JavaScript, Python, React.js, 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
- Designed an app to teach financial literacy as a part of a hand-picked task force in partnership with US bank
- Predicted lifespan of technologies used throughout the enterprise through creating and refining machine learning models
- Guided technology teams to help 20,000 agents with social media marketing by creation of a web app and virtual assistant
- Optimized API functions for virtual assistant project to decrease load times by 250%
- 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 of availability webapp across multiple environments using Kubernetes and Docker

Enterprise Technology Intern | State Farm | Bloomington, IL Full Stack
Aug 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

Personal website HTML, CSS, JavaScript
- Designed and developed a personal website to showcase and document my career and interests

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
- C/C++
- Cloud
- Containerization
- Data Science
- Docker
- Flask
- HTML/CSS
- Java
- JavaScript
- Kubernetes
- Machine Learning
- MongoDB
- Node.js
- Project Management
- Python
- R
- React.js
- SQL
- Web Development

Work Authorization: U.S. Citizen