

SAHITH BODLA

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EDUCATION

University of Illinois at Urbana-Champaign

August 2022 – May 2026

Bachelor of Science in Computer Science with Minor in Economics

Pursuing combined program with Master's in Computer Science to be completed by 2026

WORK EXPERIENCE

Gen Digital, Software Engineer Intern

June 2024 – August 2024

- Designed DevOps architecture to implement scam detection and tracker cleansing for emails
- Leveraged AWS Console services to build scalable and efficient solutions
- Contributed to and integrated Scam Detection AI to best identify filtrate phishing emails
- Collaborated with a cross-functional Agile team to design and implement robust APIs for seamless frontend interaction

OneSpace, Cofounder, Full-Stack Engineer

February 2023 – present

- Implemented full-stack Electron based desktop app for performing annotations on documents and text-editing
- Designed a PDF data storage to efficiently retrieve and save annotations, improving document management
- Collaborated closely with a team to publish software to App Store and learn foundational startup practices
- Successfully competed in the Cozad New Venture Challenge, winning cash prizes and awards

CS 222: Software Design Lab, Course Assistant

January 2024 – present

- Contributed to course content lecture slides and course website/infrastructure
- Managed team of students on semester-long software development project of their choice
- Coordinated equal efforts among all students to promote collaboration and productive workflows

ACTIVITIES

Founders - Illinois Entrepreneurs, Project Lead

February 2023 – present

- Leading a team to develop a multifaceted social media platform for curating personal fashion fits
- Working with React Native front end to develop a Pinterest-like feed with backend NestJS
- Established a entrepreneurship website for university students to collaborate on potential startup ideas
- Implemented HTML/CSS/JS frontend with Django REST framework to store user profile and information

Disruption Lab, Software Engineer

February 2024 – present

- Updating information about cannabis consumption throughout Illinois using RDBMS system
- Developing website displaying trends and statistics of company employees and their demographics
- Employing MySQL and AWS to build out infrastructure

Quant Illinois, Trading Division

February 2023 – December 2023

- Research current strategies for momentum trading algorithms e.g. MAC-D, RSI divergence, Ichimoku Cloud
- Simulated portfolios with backtesting to project stock progression and optimize trading strategies

PROJECTS

Teen Safe Driving App

February 2024 – present

CS 397 - Independent Study

- Contributing to React Native app to help young adults and teenagers learn safe driving practices
- Creating one-stop shop to schedule practices, use study materials, and make appointments
- Establishing backend with ExpressJS, Firebase, and GCP

A Deep Dive – Applying AI and Neural Networks to Project Human

September 2021 – May 2022

Biomechanical Efficiency in Swimming

High School Senior Project

- Applied advanced Python libraries to enable image data analyses within convolutional neural networks
- Offered quantitative approach to analyzing physics and biomechanical efficiency in freestyle swimming
- Projected skill level and methods to improve technique for swimmers of all backgrounds and experience
- Helped improve competitive swimming progress and piqued interest in sports analytics and sports AI

TECHNICAL SKILLS

Languages: Python, Java, C++, C, JavaScript, Typescript, Terraform, Terragrunt, HTML/CSS, MySQL, CloudSQL, MongoDB, Neo4j, Swift, MIPS Assembly, Verilog

Developer Tools: Git, Github, Docker, AWS Console, Postman, Firebase, Google Cloud Platform, Visual Studio Code, Google Colab

Frameworks: React, React Native, Vercel, Streamlit, THREE.js, Bootstrap, TailwindCSS, Django REST, Electron, Express.js, Node.js, Next.js, NestJS, Jest

Libraries: TensorFlow, Keras, PyTorch, OpenCV, MediaPipe, Pandas, Scikit-learn, Numpy, Sympy, Scipy, Matplotlib