

ARNAV MARCHAREDDY

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EDUCATION

Stevens Institute of Technology

Aug 2021 – May 2025

B.S. in Computer Science, Minor in Quantitative Finance, GPA: 3.6/4.0

Hoboken, NJ

- Relevant Courses: Data Structures and Algorithms, Discrete Structures, Computer Architecture, Systems Programming, Database Management Systems, Operating Systems, Linear Algebra, Web Programming, Theory of Computing

EXPERIENCE

Software Engineer Intern

Aug 2023 – Present

Flow

Austin, TX

- Spearheaded the development of a dynamic sales dashboard using React.js and Material UI, providing actionable insights and **robust data visualization** capabilities
- Integrated the LinkedIn and Outreach API's into the sales dashboard to optimize cross-platform interaction, resulting in a notable **25% increase** in lead generation and conversion rates
- Setup a CI pipeline with Kafka integrations, enabling automated data ingestion from multiple lead sources via web scraping, resulting in a **30% increase** in data consolidation and processing speeds

Software Developer

Mar 2022 – Sep 2022

Abyss Gaming Studio

Hightstown, NJ

- Developed a discord polling bot for a server of over **1000** people facilitating **22% increased engagement** of server members with customized polls
- Utilized Node.js with Typescript for seamless integration and enhanced functionality of the application
- Implemented seamless integration of MongoDB to efficiently store and retrieve user and poll data, **enabling increased** access speeds for server administrators

Software Developer

Sep 2017 – May 2021

First Robotics Team

Hightstown, NJ

- **Led a team of 4** in developing an android app with Java that assisted **80+** teammates in gathering quantitative data on **100+** robots during tournament matches
- Employed Espresso framework for UI **integration testing** to minimize the risk of performance-critical defects resulting in **90%** less production bugs
- Efficiently migrated an existing app from React Native to the android platform, resulting in optimized performance and enhanced native features
- Created a dedicated boilerplate for the app's structure, leading to **notable reduction** in app development time for subsequent years

PROJECTS

BodyBuddy | Javascript, MongoDB, Handlebars, Express, REST

Oct 2023 – Dec 2023

- Developed a highly customizable fitness tracking web application which enables users to view their progress over long periods of time while connecting with others on a similar journey
- Platform has features like user authentication, friend requests, workout customization, user privacy, etc
- Employed Handlebars and HTML templating for the frontend while using Node, Express and MongoDB for the backend

AdoptAR | Kotlin, Prisma, CockroachDB, Express, REST, Postman

Apr 2023 – May 2023

- Developed a platform for connecting individuals with rescue shelters to simplify pet adoption as part of Drexel's hackathon (DragonHacks) with **100+ participants**
- Employed React.js and Bootstrap to develop a dynamic frontend, while utilizing Node, Express, and CockroachDB with Prisma for the backend
- Developed an engaging Android app using Kotlin and AR-Core, enabling potential adopters to experience an immersive **augmented reality (AR)** view of pets resulting in **increased customer engagement**

TECHNICAL SKILLS

Languages: Java, Python, C, C++, Golang, Rust, SQL, JavaScript, TypeScript, Bash, Kotlin, Racket

Technologies: AWS, Docker, Node.js, Express, MongoDB, Postgres

Developer Tools: Git, TravisCI, Google Cloud Platform, Jira, Kafka

Certifications: AWS Certified Cloud Practitioner