

ISHAN GOGNA

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EDUCATION

New York University

Master of Science, Computer Science

Technical Coursework: Machine Learning, Programming Languages, Design & Analysis of Algorithms, Cloud Computing

Jan 2021 – Present

GPA: 3.78/4

Amity University, Mumbai

Bachelor of Technology, Computer Science & Engineering

Technical Coursework: Data Structures, Advanced Databases, Discrete Mathematics, Software Engineering

Aug 2019

GPA: 3.52/4

TECHNICAL SKILLS

- Programming Languages: C, C++, C#, Objective C, Java, Javascript, Python, Kotlin, Dart, Golang, Swift, R
- Web Technologies/Framework: Node.js, Django, Flask (Backend); React, Vue, Angular (Frontend), HTML, CSS
- Mobile Technologies/Frameworks: React Native, Flutter, Android, iOS
- Databases: MongoDB, SQL, PostgreSQL, SQLite
- Cloud & Deployment: AWS, Heroku, Firebase, Now.sh, Docker, Kubernetes, Apache, Tomcat
- Project Management & Version Control: Git, Bitbucket, Agile

PROFESSIONAL EXPERIENCE

Software Developer, NYU IT, NY, New York, US

Mar 2021 – Present

- Developed (Full Stack) [NYU SafeRide](#) web application powered by Via (React, PostgreSQL, AWS Elastic Beanstalk, CloudFront, Load Balancer, EC2, SNS, SQS)

Software Engineer, Varroc Engineering Ltd., Pune, India

Oct 2019 – Dec 2020

- Implemented dashboards, reports, memory/time optimizations in ALM Tool in-house (Java), saving up to INR 22,00,000 (30,600 USD) per annum
- Developed rest APIs and native mobile application (React Native) for asset management in software department (In production; being used by 120+ people daily)
- Developed script to generate production shortage stock report based on Bill of Material and Customer Indent for effective production planning (NumPy)
- Implemented a desktop application for managers to track their team's progress in COVID19 work-from-home situation

SDE Intern, Varroc Engineering Ltd., Pune, India

Aug 2019 – Oct 2020

- Developed an automated MISRA Compliance testing system, reducing new project development time by 9%

Web/IoT Intern, Kernel Circuits Lab, Mumbai, India

Jun 2017 – Aug 2017

- Developed a Smart home automation system using ESP8266 WiFi module and web application to control the system (Django, React.js, RDS, EC2)

PROJECT & RESEARCH WORK

- **IdiotBox (My Startup):** Developed both Web and Mobile (iOS and Android) movies/series social media application, allowing users to construct their own playlists from recommendations and share with followers via posts/DMs/stories. Uses APIs and web crawling to construct own database with more regional content & Rest API to serve as backend. (React Native, Django, Node.js, Docker, EC2, PostgreSQL, Scrappy, JWT, Redis)
- **CovidIG:** Developed an iOS Covid-19 Tracker mobile application for Pune, MH, India (Swift)
- **AR Based Navigation:** Implemented an android application that highlights the route ahead on the real time footage of roads captured by camera module (Google ARCore, MapBox API, Kotlin); *Research on AR turn-by-turn navigation published in IJITEE Journal, Volume 8, Issue: 8th June, 2019, Paper ID: H7090068819*
- **Smart Home Automation System:** Programmed a system that connects all home appliances using IoT and allows the user to monitor/control these appliances via SMS or web application. *Research published in IJMTE Journal, Volume 8, Issue VI, June 2018*
- **HelpMeJarvis:** Developed a restaurant recommendations chatbot using AWS services. (React.js, S3, Lambda, Lex, SQS, SNS, DynamoDB, OpenSearch, Rekognition, Spark, MLLib, Kafka, CloudFormation)