

# Vinoth Mani

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## Education

### Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Expected May 2023

- Relevant Coursework: Program Structure Algorithms, Concepts of OOPS, Enterprise Software Design, Network Structure & cloud computing, Software Engineering, Web design and Engineering

### Bachelor's in engineering

Anna University, Chennai, India

March 2018

- Major: Computer Science Engineering

## Work Experience

### Software Engineer - Co-op Full Stack Development

Jul 2022 - Dec 2022

Blockalytics, Boston, MA

- Managed on developing REST API at backend by Flask python and UI Dashboard at front end utilizing JavaScript
- Improved deployment risks, lead times and secure rollbacks by implementing Continuous Integration and Continuous Deployment pipelines using GitHub
- Developed a automated build system from scratch in backend using python, reducing built time and manual works
- Completed converting source code to binary and created python package library to be published where code can be shipped to any clients without revealing source

### Associate Software Engineer - Full Stack Development

Nov 2018 - Aug 2021

Scientific Games, Chennai, India

- Created the full backend web game application with NodeJS and hosted in cloud infrastructure, enhancing the casino's revenue despite physical lockdown
- Implemented a JavaScript application leveraging tremendous game features to attract a large audience to the casino by JavaScript and leaflet js
- Resolved various user interface issues and devised card shuffling feature in poker game with typescript, JavaScript, leading to better UI rendering with added feature
- Redesigned game development kit and built system to run games in various cloud infrastructure and dockerized bash scripts to improve more adaptability using python, shell scripts
- Created a JavaScript user interface and deployed it in cloud services, enabling customers to operate it anywhere, without being able to install it locally or need of any establishments
- Developed a chatbot application providing customers with solutions, eliminating the need to contact support team frequently and the waiting period deploying RASA python backend

## Technical Skills

**Programming Languages :** Python | JavaScript | Typescript | NodeJS | HTML | CSS | jQuery | SASS

**Framework and DB :** Flask | Django | RASA | MongoDB | SQL | Firebase

**Source control :** GitHub | Perforce | GitHub DevOps | CI CD

**Cloud :** AWS | EC2 | DNS | Lambda | RDS | VPC | CloudWatch | DynamoDB | Amazon Simple Email Service | S3 | Route 53 | CloudFormation | Code Deploy

**Tools :** VS code | postman | Docker | Linux | Meld | Jira | curl | python library development

## Leadership

- Establishing own website, <https://botbuilders.in/> and managing a team to teach various students about emerging technologies in leisure time

## Additional Information

- Designed a portfolio to showcase recent work and details <https://vinoth31596.github.io/>