

VINOTH MANI

8573505054 | mani.vin@northeastern.edu | Boston, MA

vinoth31596.github.io/ | github.com/vinoth31596 | linkedin.com/in/dev-vinoth-mani/

EDUCATION

Northeastern University

Boston, MA

Master of Science in Software Engineering Systems

Expected May 2023

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

Anna University

Chennai, India

Bachelor of Engineering in Computer Science Engineering

April 2018

SKILLS

- **PROGRAMMING LANGUAGE:** Python, JavaScript, Typescript, C#, HTML, CSS, SCSS
- **FRAMEWORK & DB:** leafletjs, Rasa AI Chatbot, SQL, Firebase, MongoDB, PostgreSQL, Flask, Django
- **SOURCE CONTROL:** Git, perforce, GitHub Actions, CI/CD pipeline
- **CLOUD STACK:** Amazon Web Services, Docker, Terraform, EC2, Packer, DNS, Lambda, RDS, VPC, CloudWatch, DynamoDB, Amazon Simple Email Service, S3, Route 53, CloudFormation, CodeDeploy
- **TOOLS EXPERTISE:** VS Code, Visual Studio, Blender 3D, Meld, VS Code, postman, ngrok, Docker

WORK EXPERIENCE

BLOCKALYTICS LLC

Boston, MA

Software Engineer – Full Stack Development Co-op

July 2022 - Present

- Working on developing REST API in backend Flask App to enable development for front-end
- Developed a complete Continuous integration with Continuous Development process for the product using GitHub Workflow Actions
- Created a python wheel packages library converting the complete product into a ready build package for clients with converting source files to binary shared object
- Implemented an entire build system from scratch for Blockalytics, reducing the manual build time from a day to a few minutes by automating the process
- Developing a front-end UI for the product from scratch using ReactJS with backend python, MongoDB and Redis DB creating an administration web application and monitoring dashboards.
- Tools expertise: Python, VS Code, Shell scripts, Python Package library, Nuitka, Docker, Amazon Web Services, GitHub, Linux environment

SCIENTIFIC GAMES

Chennai, IN

Associate Software Engineer - Full Stack Development

Nov 2018 - Sep 2021

- Implemented game mechanism and redesigned UI for poker card shuffling
- Fixed issues in cloud CI/CD pipeline mechanism and optimized UI layout to fit in various OS platforms
- Developed in-house application map using leaflet JavaScript library for treasure hunt mechanism feature
- Redesigned game development kit and built system to run games in various cloud infrastructure and dockerized bash scripts to make build automation using slack bot, python
- Created a chatbot application leveraging RASA framework for in house application and created built automation using node.js, NLU and bash scripts
- Devised automation by a single executable windows bash file using python for bot training, validations and running up all its services

- Established rasa backend integration with Facebook, telegram messengers and devised user interface for frontend with JavaScript
- Designed frontend for patron registration and constructed real-time geo-fencing mechanism for user tracking
- Have experience in cloudinfrastructure with build automation scripts, terraform, packer, lambda, DynamoDB, EC2, Docker, DNS, Instance storage, OS images
- Integrated with firebase Database for storage and real-time CRUD operations, a designed dashboard for both user and admin application operating firebase SDK, JavaScript and have experience in both NoSQL and SQL databases

SCIENTIFIC GAMES

Chennai, IN

Research Intern

Sep 2017 - May 2018

- Created a mobile game application leveraging AR Kit/AR Core for both android, iOS platforms using java and swift
- Developed API for user login issues and MFA processes with firebase cloud and JavaScript frontend

BOTBUILDERS/ENTREPRENEUR

Boston, MA

Founder - <https://botbuilders.in/>

Jan 2020 - Feb 2021

- Founded as part of hobbies and a learning purpose in fields of Cloud, Web and Artificial intelligence
- Drafted chatbot and made available in cloud infrastructure for seamless customer integration with AWS, rasa python