

MANOJ KUMARNANNAPANENI

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SUMMARY

Computer Science Graduate with 2 years of experience in Full Stack Java development. Decent experience in Object Oriented Programming and Web Development. Skilled in problem solving and designing efficient algorithms based on requirement.

EDUCATION

- **Master of Science in Computer and Information Science** GPA: 4.1/4
University of New Mexico, Albuquerque, NM May 2021 (Anticipated)
- **Bachelor of Technology in Electronics & Communication Engineering** GPA: 8.89/10
Jawaharlal Nehru Technological University, Kakinada, India May 2018

TECHNICAL SKILLS

- Programming Languages : Java, C, Python, Matlab
- Web Technologies : Angular 5, HTML and CSS.
- Frameworks : Spring MVC, Spring Boot, Mockito
- Web Services : REST API and Micro-Services.
- Database : SQL Server, Oracle Cloud, MongoDB.
- Development Tools/IDE : Visual Studio Code, Eclipse and IntelliJ
- Version Control System : Git
- Design Tools : Adobe Photoshop, Adobe XD, Adobe Rush, MS Office Tools.

PROFESSIONAL EXPERIENCE

Assistant Systems Engineer

June 2018 – Nov 2019

Tata Consultancy Services | Hyderabad, India

Apple I-Log

- Designed and managed database, to handle application information efficiently. Implemented SQL scripts to update information in the database using job schedulers.
- Implemented REST Web services using Spring Boot Framework and Java 8. Also worked on implementing new features to existing APIs and updating them for future versions of the application.
- Worked on API Orchestration to integrate API calls and ensure smoother operation.
- Implemented Unit Tests for the designed APIs and also existing code, using Mockito Framework.

Apple Support Application

- Developed REST APIs for the Application using Spring Boot and Java 8. Worked on implementing new features for existing applications.
- Worked on upgrading the application with additional features, and migration from Java 8 to Java 11.
- Deployed the application build using the automation tool Jenkins.
- Worked in an Agile Team, taking end to end activities in application development including testing and debugging.

Embedded Systems Intern

May 2016 – June 2016

Electronic Corporation of India Limited | Hyderabad, India

- Worked on Very Large Scale Integrated (VLSI) chip design using Verilog and VHDL.
- Soft coded functionalities according to the requirements and produced Integrated Chips with that functionality by dumping the implemented code in chips.
- Implemented a Radix_4 Bluetooth Multiplier using Ripple Carry Adder.

Software Engineering Intern

January 2021- Present

Analog Devices Inc. | Albuquerque, New Mexico, USA

PROJECTS

Information Encryption in Images

Sept 2017 – Mar 2018

- Designed a model that enhances security for transferring and storing confidential text information.
- Built first layer security for the model by converting plain text to encrypted text using a key.
- Encrypted the cipher text created in first layer into images without affecting image quality, using MATLAB.

Secured Locking using Passwords

April 2017 – Sept 2017

- Designed a system to secure lockers and entries using passwords.
- Implemented hardware setup with Arduino and relays as major components.
- Programmed the Arduino controller using Arduino programming.