

# ASHRITH PRADEEP

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## EDUCATION:

**NORTHEASTERN UNIVERSITY**, *Boston, MA*

**Jan 2019 – May 2021**

**Master of Science in Information Systems**

**GPA : 3.5**

**Relevant Courses:** Algorithms, Web Design and User Experience, Web Development Tools and Methods, Database Management, Application Engineering Development, Data Science Engineering Methods and Tools

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**, *Bangalore, India*

**Aug 2013 - Jun 2017**

**Bachelor of Engineering in Computer Science**

## TECHNICAL SKILLS:

**Programming Languages:** Java, Python, JavaScript, SQL  
**Databases:** MySQL, SQLite, AWS Redshift, Oracle, MongoDB  
**Web Technologies:** HTML5, CSS3  
**Frameworks and Tools:** NodeJS, ReactJS, Redux, Spring, Bootstrap, Express, Swing, Git, Bitbucket, JIRA

## PROFESSIONAL EXPERIENCE

**HP ENTERPRISE**, *Bangalore, India*

**Aug 2017 - Feb 2018**

*Software Engineer [Java, REST API's, JavaScript, Automation Testing, MySQL, Agile]*

- Involved in the development of programs for software enhancements and products which included networks, databases, and internet related tools. Improved the efficiency of the code modules by around 20%
- Designed and developed web services and RESTful API's for HP's Internal web applications and contributed hugely to the UI of those software using CSS, HTML, and JavaScript Libraries.
- Executed established test plans on code modules, and identified, logged, and debugged the assigned issues
- Led a team and implemented automation testing, and achieved a milestone to bring down the testing time from 4 months to 2 weeks using techniques like parallel execution, explicit wait, etc.

**KONIGTRONICS PVT. LTD**, *Bangalore, India*

**Sep 2020 – Dec 2020**

*Software Engineer Intern [Python, JavaScript, Java, Spring Boot, REST API's, Django, React]*

- Implemented a Java project using Spring Boot and Hibernate to create RESTful services for tracking and maintaining defects in the system.
- Developed RESTful API's to fetch metrics based on user input from Calculation engine using NodeJS in combination with ExpressJS
- Implemented a native customized reporting tool using Django to generate reports from daily financial data.
- Projected key risk patterns from daily financial data using Calculation Engine which resulted in 11% increase in efficiency

## ACADEMIC PROJECTS

**Roommate Connector Website [MERN, Bootstrap, REST API's, Express, NoSQL, MongoDB]**

**Jan 2020 – Apr 2020**

- Created a website that lets people connect and make roommates, with those who have matching preferences as theirs, once they make a payment as a part of the membership.
- Integrated third party Facebook and Google authentication for users to login and provided rich dynamic UI
- Developed secured Rest API's using Express and stored the app data on NoSQL MongoDB database. Authentication and state management were implemented using JWT and Redux. Payment and search were implemented using Stripe API and filter criteria.

**Volunteer Enrollment Web Application [Core Java, Spring MVC, Hibernate, Apache Tomcat]**

**Jan 2020 - Apr 2020**

- Developed an application using Spring MVC and Hibernate frameworks, which allows an user to look for volunteering jobs and get enrolled using the application, hosted it locally using Apache Tomcat server
- Worked with JDBC for accessing the database and included email functionality for successful sign-up, using SMTP Server

**Loan default prediction[Python, SQLite]**

**Sep-2019 - Dec 2019**

- Performed feature selection and extraction, built classification and ensemble models to predict borrowers who will most likely default based on their financial footprint
- Implemented cross validation to select the best parameters of the model and obtained 89.6% prediction accuracy using Ensemble elements

**Event management system for NGO [Java Swing, NetBeans, DB04]**

**Jan 2019 – Apr 2019**

- Developer a Java Swing application using ecosystem model to let NGO's create events such as education and health check-up camps by sending requests to corporates and hospitals, to get instructors and doctors. Incorporated email communications between enterprises, using the JavaMail API

## PUBLICATIONS

**Android application to read & record data from multiple sensors and thereby plot a graph based on the data collected**

International Journal of Advanced Research in Computer and Communication Engineering, Vol. 6, Issue 5, May 2018

