

# Deepak Veerapandian

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## OBJECTIVE

Passionate, creative, self motivated, collaborative, team oriented computer science graduate student with 2 years of professional experience & good problem solving skills in software development. Seeking full-time job opportunities in software engineering starting May 2020.

## PROFESSIONAL EXPERIENCE

### Engineer - Firmware Verification Team, Western Digital, California

Jun 2020 - Present

- Building system-level validation software in **Python** to test SSD features for Atlas KAT specification from the NVM Express.
- Review SanDisk NVMe SSD validation requirements and influence future SanDisk product design for debugging and testing.
- Designing and developing algorithms and strategies for integration and validation of B2B, PCIe cross features, Power management.

### Software Engineer, Accenture solutions, India

Nov 2017 - Dec 2018

- Invoice Processing Advisor (IPA) for Accenture BPO** (*React JS, HTML, CSS, SQL, jQuery*):
  - Developed an extended, more efficient and faster invoice processing management tool with AI prediction based on the extracted data from invoice image using **React JS** for front end along with redux libraries.
  - Proficient knowledge about creating **AJAX** requests to **REST API** for handling the data. Eased debugging & reduced technical issues/errors through **TDD** (Test driven development). Motivated team member to follow coding standards.
  - Improved the performance of the tool using parallel threading to meet the high volume of data & processed 1000 invoices overnight.
  - As a part of **agile development methodologies**, collaborate with teams like BPO technology support & testing teams to define, design and ship new features with high business value, mentored newly hired software engineer through critical thinking & organized **scrum** meetings to discuss best practices and operations.
- Uber Eats** (*React JS, JavaScript, HTML, CSS, Visual Studio, SQL, jQuery*):
  - Developed a front-end **Single Page Application** using React JS with AI data and R-script prediction model's data to determine the food's characteristics and categorize them based on the predicted values. The categorized data were delivered to UBER EATS team.
  - Full stack developer proficient in **React JS, Java, JavaScript, ASP.NET, Python** for front end and **SQL** for back end. Provided creative solutions in the **sprint planning** through good communication skills.
  - Implemented tasks based on **Agile** methodologies in software development and provided bug fixes to testing/support team. Used Microsoft Team Foundation Server (**TFS**) and **Git** for version control and deployments & also provided documentation for clients.
  - Followed **CI/CD** (continuous integration/deployment) to host production websites and integrated web services using Windows Internet Information Services (**IIS**). Implemented **GDPR** integration to increase security and reliability of product.

### Associate Software Engineer, Accenture solutions, India

Nov 2016 - Nov 2017

- Optical Character Recognition (OCR) for Accenture BPO** (*ASP.NET, C#, HTML, SQL, XML*):
  - Created a powerful invoice processing website using **ASP.NET**. The application could scan any invoice image and extract all its data.
  - Improved the data extraction accuracy from 40% to 92% using Omni page reader. Created various reporting modules using SSRS and SSIS and scheduled jobs in SQL for automation.
  - Experienced & proficient in implementation of **.NET MVC framework**, n-tier architecture, web development, relational database design, object-oriented programming (**OOPS**), software Development Lifecycle (**SDLC**), software architectural design, debug skills, UI designing and **RDBMS** querying (Stored procedures, functions, triggers).

## TECHNICAL SKILLS - Languages, Frameworks & Tools

<b>Language:</b>	Java, JavaScript, Python, C#, C++, HTML5, CSS3, C	<b>Databases:</b>	Microsoft SQL Server, MySQL, MongoDB
<b>Servers &amp; Plugins:</b>	React JS, Node.js, Express JS, JSP, ASP.NET, Servlets, RDBMS, NoSQL, jQuery, Angular JS, Apache tomcat	<b>DevOps:</b>	TFS, GitHub, JIRA, AWS (EC2, S3, EMR), Jenkins
		<b>Tools:</b>	Microsoft Visual Studio, Android Studio, Eclipse, PyCharm, NetBeans, Atom, VS Code

## PROJECTS

- Product Management** (*J2EE, Java servlets, JSP, Apache Tomcat, HTML, MySQL, JDBC, Spring Boot*):  
Developed a Java web application for product management of stores using Java servlets, JSP, Java EE & Spring MVC. The system provides the stock of the high quality products available in market and the user can update the details of the products.
- Carpooling Mobile App with chat room** (*Android Studio, Java, Firebase database & storage, JSON, XML, Google maps*):  
A carpooling android mobile application with multiple user access. The user can login using google authentication to view all the available trips. A chat room to share messages and images can be created between any two users & messages stored in cloud.
- Favorite Movies Mobile App** (*Android Studio, Java, Firebase, RESTful API, OkHttp, JSON, XML*):  
Developed android mobile application to manage favorite movies and accessing them based on IMDB rating and year of release. The user can add, delete and edit the movie details and sort them by IMDB rating and year. Expertise in Unit Tests & JUnit.

## EDUCATION

### University of North Carolina at Charlotte, Charlotte, NC

Jan 2019 - May 2020

Master of Science in Computer Science

4.00 GPA

**Courses:** Data Structures & algorithms, Mobile application development, Database systems, Intelligent systems, Software Engineering & software design patterns, Network based application development, Cloud computing.

### Anna University, Chennai, India

Aug 2012 - Apr 2016

Bachelor of Engineering in Electronics & Communication Engineering

7.83 GPA