

AJAY DEVARASETTY

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Work Experience:

Blackhawk Network, Bangalore

03/20 - Present

- Worked on multiple features of Blackhawk Network application involving UI, Backend changes for filtering data, creation of pop-ups, cron expressions.
- Worked on Breadcrumb in angular pages and GraphQL queries to fetch the data from backend.
- Worked on Event driven architectures involving Microservices, Elastic Search, S3 Buckets.
- Worked on Automation of test cases for multiple features.
- **Technologies: Java, Spring Boot, Hibernate, SQS, Swagger, Docker, my SQL Workbench, Splunk**

Trivium Educational Services, New Delhi

05/19 – 03/20

- Developed a Real Time Message Processing Service to automate the Workflow of the Existing System
- Reduction of the processing time from 10 - 12 Hrs to Seconds
- I train Undergraduate and Graduate students in Core Java (including but not limited to Classes, Methods, Object Oriented Programming Concepts (OOPS), Exception handling, Packages and Interfaces etc.) and Web Development (including but not limited to CSS, HTML)
- **Technologies: Apache Kafka, Apache POI, PostgreSQL**

Smartlink Health Solutions, Carv, North Carolina

08/17 – 08/18

- Developed the automation processes for data extraction and storage from Web and Desktop based EMR systems using Selenium Webdriver and UiPath
Softwares and Tools: **Java / J2EE, Web APIs, JSON, XML, Amazon S3, PostgreSQL, pgAdmin, RESTful Web Services, Spring Boot**
- Developed XML and JSON parser to parse the patients data in Java
- Developed the automation processes of uploading the patients data to PostgreSQL database in Python
Softwares and Tools: **PostgreSQL, pgAdmin, CSV, Maven, Git, JIRA, Confluence, Eclipse**
- Developed python application for data storage in PostgreSQL and followed Agile Methodology for developing the application

Technical Consulting & Research, Inc., Weston, Connecticut

05/16 – 02/17

Web Applications Engineer Intern

- Analyzed the data collected (visits, page views, exits) from the Google Analytics using Python and Power BI
- Automated the process of storing the website traffic.
- Reporting to CEO and the business development team about the performance of the website and recommending the necessary change (Search Engine Optimization) to increase the website traffic

New York University, New York

02/16 - 05/17

Graduate Assistant

- My responsibilities include conducting and grading the exams for students in ECE Department

EDUCATION:

NEW YORK UNIVERSITY, NEW YORK, NY

09/15 - 05/17

Master of Science, Computer Engineering

Foundations of Data Sciences Data Center and Cloud Computing Probability and Stochastic Processes Network Security
Digital Signal Processing Internet Architecture and Protocols Software Engineering VLSI Engineering

INDIAN INSTITUTE OF TECHNOLOGY (IIT) BHUBANESWAR, BHUBANESWAR, INDIA

07/11 -05/15

Bachelors of Technology, Electrical Engineering

CERTIFICATIONS:

Algorithms and Data Structures Certification, Geeks Classes by GeeksforGeeks, New Delhi

12/18 - 02/19

EdX, Microsoft Data Science Curriculum

09/16- 10/16

Courses: Data Science Orientation, Analyzing and Visualizing Data with Power BI

PROJECTS:

- Developed a Group Chat Application using Multicast Socket **09/16 - 11/16**
- Data Analysis on NYC Taxi data to find the influence of Taxis on New York City using python **09/16 - 11/16**
- Decision Tree Analysis on Yelp Data Set to find the factors responsible for the Customer Satisfaction Rating on 89000 reviews of 133 Food Services. Accuracy of 0.6 achieved and found take out is the deciding factor **04/16 - 05/16**
- Visualized a social network on 100 users to find the node distribution in Twitter using R **03/16 - 04/16**
- Forecasting based on ARIMA Model (Box - Jenkins Approach) on Johnson and Johnson Company's quarterly earnings per share data of 21 years using R **03/16 - 04/16**
- **Performance Analysis of Full Duplex Communication Systems** **08/14 - 04/15**
 - Found the expression for Interference Cancellation Ratio in terms of power and distance for two antenna system using MATLAB
 - Extended the expression to MIMO System with Number of Antennas in addition
- **Script Analysis using Gabor Filters** **04/13 - 07/13**
 - Analyzed the script in Indian Bilingual Documents with Gabor Filter Algorithm using MATLAB
- **Recognition of Persons using Iris Patterns** **07/12 - 12/12**
 - Presented a Seminar on the project Recognition of persons by Iris Patterns using MATLAB

AWARDS AND HONOURS:

- Awarded Merit Scholarship during Masters at New York University
- Awarded MCM Scholarship during Bachelors at IIT BHUBANESWAR
- Secured a rank of 3470 out of 4.8 lakh students in IIT JEE 2011
- Secured a rank of 4889 out of 11 lakh students in AIEEE 2011
- Secured a rank of 529 out of 3 lakh students in EAMCET 2011