ADITYA BHANDARI

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# PROFILE

Highly motivated and solution-oriented programmer with a vast array of knowledge in the field of computation along with frameworks, databases, and efficient clean coding practices. An individual with a desire to excel in a challenging and rewarding environment along with an appetite to innovate and learn high quality software development.

# EDUCATION

Ramapo College of New Jersey Mahwah, NJ

Bachelor of Science in Computer Science Expected Graduation: May 2021

Relevant Coursework: Data Structures, .Net Environment, Machine Learning, Database Management, Object Oriented Programming, Web App Development, Operating Systems (Linux), CompTIA Cyber Security, Artificial Intelligence

# SKILLS

**Languages:** JavaScript, C#, C++, SQL, Java, Python, Kotlin, GraphQL,

**Frameworks and Tools:** React.js, Node.js, Express.js, MongoDB, SCRUM, MySQL, Git, Gradle, Jenkins, Docker

**Development Methodologies:** Agile, DevOps, CI/CD, RAD, REST

**Development Platforms:** Visual Studio, Visual Studio Code, Jupyter Notebook, Android Studio, IntelliJ IDE

# RELEVANT WORK EXPERIENCE

**Mega Bank Pvt Ltd, Kathmandu, Nepal** June 2018 – Aug 2018

*Information Technology Intern*

* Experienced configurating, troubleshooting and repairing of networking equipment, servers, and workstations.
* Interacted in a client-facing environment to review and solve client requests.
* Conducted an independent research underlining the modern threats to a cybersecurity environment.

**Chaudhary Group, Maruti Suzuki Motors, Kathmandu, Nepal** June 2018 – Aug 2018

*Sales Intern*

* Analyzed market data to provide business opportunities and identify prospects for the department.
* Maintained Sales record in a database and query requested sets of information by the head of the department to target potential customers.

# PERSONAL PROJECTS

* **Contact Website:** A user authentication required web application where users can create, update and store contact information in a database. The users can even locate where their contacts are saved using the Maobix API [GitHub](about:blank)
* **Duck2200 Assembler**: (C++) An assembler that translate a program written in assembly language into machine language [GitHub](about:blank)
* **SemiFlex:** A netflix like web application created by using React.js where users can search movies and add them to their favourites list as a watch-list for the future. [GitHub](about:blank)
* **Pinochle:** A card game desinged and implemented in two programming languages (C++, Java). It was one of the capstone projects for the degree where object oriented programming was the focal point in strategy and operation of the application.
* **WeatherApp:** A weather application implemented using Kotlin in Android studios focusing on API requests and model view controller principals. [GitHub](about:blank)

# RESEARCH EXPERIENCE

**Collaborative Research** *September 2020 – December 2020*

*School of Theoretical Sciences, Ramapo College of New Jersey Mahwah, New Jersey*

*Professor. Eman Abdelfattah eabdelfa@ramapo.edu*

*Title: Comparison of Classification Metrics & Time Complexity for Multiclass Classification Models*

* *Conducted Classification tasks such as Linear Regression, Decision Trees, Support Vector Machines, Logistic Regression, Stochastic gradient descent & Random Forest on a multiclass dataset of crop mapping collected from optical and PolSAR remote sensing images.*
* *Analyzed the classification metrics report for each model and compared their time complexity.*

# LEADERSHIP AND VOLUNTEER EXPERIENCE

* *Vice-President* | International Students Organization Sept. 2018 – May 2020
* *Student Assistant to President |* President’s Office, Ramapo College Sept. 2018 – Jan. 2019
* *Volunteer Teacher / Physical Educator|* Sunrise Orphanage, Kathmandu Nepal March 2017 – May 2019
* Peer Career Coordinator | Cahill Center Aug 2018 – May 2019