KUNAL KHANDELWAL

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EDUCATION

Master's of Science in Computer and Information Sciences   **Exp. May 2024**
Purdue School of Science, IUPUI, Indianapolis
Courses: *Data Visualization, Object Oriented Programming, Computer Systems Security, Distributed Computing*

Bachelor of Engineering in Computer Science and Engineering   **Jun 2018 -Jun 2022**
Shri Ramdeobaba College of Engineering and Management, Nagpur, India   *GPA-8.23/10.0*
Courses: *Algorithms and Design, OOPs, Computer Networks, Software Engineering, Artificial Intelligence*

SKILLS

- Python, Java, C, Linux, HTML5, CSS3, JavaScript, SQL, MySQL, APIs, AWS, Git, Django, AWS, Flutter, Windows, MS-Suite
- Database Management, Data Structures and Algorithms, Data Analysis, Machine Learning, Cloud Security, Computer Networks
- Soft Skills: Time Management, Team Player, Work Ethic, Fast Learner, Attention to Detail, Communication, Problem-Solving

EXPERIENCE

Calculus 2 Tutor, Mathematics Assistance Center(MAC), IUPUI, Indianapolis, USA   **Sept 2022- Present**
- Tutored and Mentored 100+ students in Advanced Calculus and Multidimensional Mathematics to help each student understand challenging concepts, classroom material, and homework assignments.

Data Analyst Trainee, MedTourEasy, Delhi, INDIA   **Apr 2021**
- Worked on Python libraries and tools like Pandas, NumPy, Matplotlib, TPOT, Sklearn, and Seaborn for precise analysis of data.
- Predicted Blood donations with an accuracy of 81% using the Linear Regression Model.

Software Development & Data Analytics Intern, Sapien Body, INDIA   **Jun 2020 - Aug 2020**
- Developed Web pages for new products. Worked on Usability features to make the website intuitive.
- Lead the Web Development & Data Analytics team. Optimized JotForm to improve product quality based on user experience.
- Optimized PPC and identified demand gen keywords using Google Keyword Planner and Amazon Brand Analytics Tool & deployed campaigns of new and existing products on Amazon India and Amazon USA.
- Made a custom chatbot for FAQs using Google Dialog Flow and automated emails.

Software Testing & Technical Content Writer Intern, BridgeIntelia Solutions, Delhi, INDIA   **Jun 2020 - Jul 2020**
- Worked on Portal development and bug testing on the ed-tech website. Delivered various technical articles.
- Improved mobile compatibility and ensured effective navigation. Optimized the registration process by ensuring fluent workflow.

ACADEMIC PROJECTS

Fare Prediction Using Machine Learning   **Jun 2021 - Nov 2021**
- Developed application to predict and forecast the Flight and Taxi tariffs for users and enterprises.
- Tried and tested various models like Random Forest, Gradient Boosting, ExtraTreesRegressor, Decision Tree, K-Nearest Neighbor on Kaggle datasets with an accuracy of 89.62% on predictions. Code compiled and deployed using Flask, HTML5, CSS3 and JavaScript.

Map-Based Application for Real-Time Crime Reporting - https://crime-dashboard-for-police.netlify.app/   **Jan 2021 - May 2021**
- Learned Flutter and built an application for reporting crimes in real-time. Used technologies like Google APIs for Google Maps, and Google Firebase for the backend, and the front end was built on HTML5, CSS3, JavaScript, and PHP.
- Exact location, image, text, video, and audio are reported from the app to the police-side website synchronously.

Hybrid Movie Recommendation System Using Personality Traits   **July 2021 – Nov 2021**
- Deployed a hybrid movie recommendation system considering personality traits using technologies and libraries like HTML5, CSS3, Flask, Sklearn, NumPy, Pandas, SciPy, and Pillow with an accuracy of over 80%.

CONFERENCES AND PUBLICATIONS

1.'**A Novel Approach for Fare Prediction Using Machine Learning Techniques**
- Presented at ***ICICA'21**– International Conference on Innovative Computing and Applications 2021* and published in IJNGC - *International Journal of Next-Generation Computing* (https://ijngc.perpetualinnovation.net/index.php/ijngc/article/view/451)

2. '**A Modern Approach to Recommendation Systems**
- Presented at ***ICTSGS 2021** - International Conference on Technologies for Smart Green Connected Society 2021.*

LEADERSHIP AND EXTRA-CURRICULAR ACTIVITIES

- *Microsoft Learn Student Ambassador*, Conducted webinars, hackathons, and workshops to spread knowledge.
- *Core Member at Google Developer's Students Club RCOEM*, Conducted Technical Events on core & developing technologies.
- *Association of Computer Machinery Chapter RCOEM,* Executive Committee Member
- *Operations Manager at AIESEC in Nagpur,* 1. Raised New partners including top MNCs and Schools for the product Global Talent (iGT) 2. Strategized & did product packaging along with Market Research using Supply & Demand Analysis.
- *Technical Head at Rotaract Club and Volunteer at National Service Scheme RCOEM*