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HRITIK DUBEY

SOFTWARE ENGINEER/ DEVELOPER

EDUCATION

- **Bachelor of Technology, Information Technology (I.T)**
  Vellore Institute of Technology, Vellore
  8.93 CGPA
  07/2019 - 08/2023
- **Higher Secondary School (CBSE)**
  Mahatma Hansraj Modern School, Jhansi
  84.2% (PCM)
  04/2017 - 05/2019
- **Secondary School (CBSE)**
  Sun International School, Jhansi
  9.2 CGPA
  04/2006 - 03/2017

SKILLS

- Data Structures and Algorithms
- Problem Solving
- C,C++,Java, Python
- Machine Learning and Deep Learning
- Natural Language Processing
- MS Azure Cloud Computing
- Full Stack Web Development
  (HTML, CSS, Bootstrap, NodeJS
  Javascript, JQuery, API's, AJAX, PHP,
  MySQL XML, NodeJs)
- Tools: Kali Linux, Matlab, Wireshark, Jupyter,
  Git, Packet Tracer.

EXTRA CURRICULAR

- **Students for the Exploration and Development of Space, VIT**
  Core Committee Member
  11/2019 - 06/2022

CERTIFICATIONS

- **Microsoft Azure Fundamentals AZ-900**
  (June 2022)
- **Algorithmic Toolbox by the University of California San Diego**
  (Oct-Nov 2021)
- **Statistical Inference by Johns Hopkins University**
  (April-May'2020)

LANGUAGES

ENGLISH
Full Professional proficiency

HINDI
Native or Bilingual Proficiency

JAPANESE
Limited Working Proficiency

FRENCH
Elementary Proficiency

ABOUT

As I prepare to join a Japanese IT firm as a bilingual software developer, I'm enthusiastic about applying my skills to tackle real-world problems. I have a strong interest in areas such as machine learning and web development. Through my academic projects, I've gained hands-on experience where I've used various technologies and tools to create solutions. I'm a quick learner, highly motivated to innovate, and always on the lookout for new challenges to help me further develop my skills.

EXPERIENCE

Business Japanese Language Training (Remote)
(Human Resocia, Japan. Trainee (Dec 22-Aug23)

- Participated in daily conversational Japanese language training.
- Engaged in bi-lingual software engineer training.
- Gained insights into Japanese work culture and business manners.
- Prepared for JLPT N5 and JLPT N4 examinations.

PROJECTS

Hybrid Sentiment Analysis and Recommendation Engine
(Nov 22-April 23)

- Final year major project. Developed a Hybrid Recommendation Engine.
- Technology Include : Beautiful Soup for webscrapping, ML models such as Naive Bayes, Random Forest, XGBoost, and Logistic Regression, and DL models such as CNN, LSTM, RNN, and BERT for sentiment analysis.
- SVD and KNN were used for developing a hybrid collaborative-content-based recommendation engine

Multivector DDoS Detection using advanced ensemble classifier
(Jan-April' 22)

- "Conducted a comparative analysis of machine learning models for detecting Distributed Denial-of-Service (DDoS) attacks in the context of cybersecurity.
- Fine Tuned LSTM model and used ensemble methods like XG Boost and ADA Boost and compared accuracy with Random Forest and SVM,

Penetration Testing & Vulnerability Analysis on Web Applications
(Aug-Nov'21)

- 5th Semester project for Information Security Audit and Analysis.
- Developed a Python tool to detect Cross-Site Scripting (XSS) attacks. Also utilized the best open-source tools available for penetration testing and vulnerability analysis on web applications

Share your Covid Story - Web Development Project
(Aug-Dec'20)

- Full stack web development project with Tech Stack : CSS, JS, JQuery, JSON, Angular JS (Frontend),Express JS [Node JS] (Backend),MongoDB (Backend),Tensorflow JS (ML Framework)

PARTICIPATIONS

Stat-A-Thon–WS-2020 A Virtual Statistical Challenge by School of Advanced Sciences, Department of Mathematics. Qualified for Final Round.

OTHER INTERESTS

- Reading/ Writing
- Coding
- Designing