Varshani Reddy Patlolla

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EDUCATION

- **Texas A&M University** — College Station, TX
  Master of Computer Science; GPA: 4.0/4.0 — *Aug 2022 - May 2024*
  Courses: *Software Engineering,Data Mining,Operating Systems,Algorithms,Information Storage&retrieval,Cyber-security Law&Policy*

- **National Institute of Technology** — Raipur, India
  Bachelor of Technology in Computer Science and Engineering; CPI: 8.58/10.0 — *Jul 2016 - May 2020*

TECHNICAL SKILLS

- **Languages**: Python, HiveQL, C++, C, SQL, Bash, JAVA, Ruby, Java Script, PHP, HTML, CSS
- **Frameworks/ Libraries**: Hadoop, Ruby-on-Rails, Django, Laravel, Scikit, React, Angular, OpenCV, NLTK, SpaCy, TensorFlow, Keras, Flask, Pandas, Numpy
- **Databases**: Apache Hive, PostgreSQL, MySQL, SQLite, Firebase
- **Platforms**: Linux, MacOS, Windows, AI-Devops/WiseMLops(Huawei), CloudDragon(Huawei),WiseOper(Huawei)
- **Technologies**: Machine Learning, App Development, BlockChain, Web Development, Computer Vision, NLP, Cyber Security, Version Control(git, svn)

EXPERIENCE

- **Huawei Technologies India Pvt. Ltd.** — Bangalore, Karnataka
  Senior Software Engineer — *Aug 2020 - Jul 2022*
  - **Department**: SOC/Consumer Cloud Service Competence Center
  - **Risk Control Tag Development**: Development, analysis and deployment of various Payment Risk Control Tags in HiveQL (OLAP) by querying datasets stored in the HDFS
  - **Offline machine learning models/ Scoring Systems**: Design, analysis, development and deployment of around 10 risk detection models and scoring systems with greater than 92% accuracy
  - **AI Devops**: Troubleshooted issues related to data synchronisation from the HIVE datasets HDFS path to the DevOps HDFS path, MTP model training issues and MEP model deployment issues in the new AIdevops portal. Handled communication between several teams for troubleshooting of models deployment involving several tools such as CloudDragon, AIdevops etc.,

- **Ittiam Systems Pvt. Ltd.,** — Bangalore, Karnataka
  Computer Vision Intern — *May 2019 - Jul 2019*
  - **Project**: Enhancement of foreground detection and background modeling in videos using the OpenCV library
  - **Implementation**: Analysed various solutions for the enhancement the foreground detection and background modelling, and implemented the final solution through the interpretation of histogram peaks and valleys of the motion.(Programmed in C++ (vectors) and Python (numpy) for handling computer vision data-sets)

- **Texas A&M University** — College Station, TX
  Student Assistant - Computer Science Grader — *Jan 2023 - Present*
  - **Course**: Design and Analysis of Algorithms CSCE 411 by Prof. Timothy Davis

OTHER PROJECTS

- **Fridge2Table (Django, Bootstrap, PostgreSQL, Python)**: A recipe recommendation website(Jan 2023 -Present)
- **Rec Center(Flask, Python, NLP, PostgreSQL)**: A song lyrics recommendation website(Jan 2023 -Present)
- **FashioNXT CRM Service(Ruby on Rails)**: Developed a CRM service for the FashioNXT agency.(Sep 2022 -Dec 2022)
- **Enhanced security mechanism through blockchain for e-polling/counting using IoT devices(Hyperledger Fabric, IBM Blockchain Platform, JavaScript)**: An e-voting web application(Jan 2020 - May 2020)
- **HealthBot (Machine Learning, Android Studio(Java))**: A chatbot integrated android application for early stage disability symptoms in children using (Jul 2018 - Aug 2018)

VOLUNTEER EXPERIENCE

- **Hadoop Trainee**: Config Software Solutions, Hyderabad, Telangana, India(May 2018 - Jul 2018)
- **Android App Development Trainee**: Config Software Solutions, Hyderabad, Telangana, India(May 2017 - Jul 2017)

CERTIFICATES

- NLP - Natural Language Processing with Python by Udemy (Sep 2022)
- The Data Science Course 2021: Complete Data Science Bootcamp by Udemy (Nov 2021)
- Java - ECQ (Java Enhance Code Quality Exam) by Huawei (Oct 2020)
- Blockchain A-Z : How to build your first blockchain by Udemy (Jun 2020)

AWARDS/ HONORS

- Excellent Contributor award at Huawei Technologies India Pvt. Ltd.
- Management Improvement award at Huawei Technologies India Pvt. Ltd.
- Top 5 in the final 105 teams at the SKYhack hackathon organized by the Chhattisgarh government and AIC@36inc