

BEBIN PAUL SAMUEL

JUNIOR SOFTWARE ENGINEER- Computer Programming, Data Administration, AI/ML Development

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SKILLS

- **Programming Languages & Libraries:** Proficient in Python, Java, SQL, JavaScript, TensorFlow, PyTorch, Keras, Scikit-learn, Hugging Face; experienced in R, C++, Scala, OpenCV, Pandas, and NumPy.
- **Machine Learning & AI:** Expertise in Natural Language Processing (NLP), Computer Vision, Neural Networks, Model Optimization, and Transfer Learning; skilled in building and deploying machine learning models.
- **Big Data & Cloud Platforms:** Apache Spark, PySpark, Hadoop, and data manipulation using pandas, NumPy, and Dask; proficient in AWS, Microsoft Azure, GCP, and Kubernetes for scalable AI solutions.
- **DevOps & MLOps:** Docker, GitHub, Jupyter, Version Control tools, Automating model deployment pipelines

WORK EXPERIENCE

Undergraduate Research Assistant

September 2023 – December 2023

WIMTACH - Centennial College, Remote, Toronto, Ontario, Canada

- Conducted data analysis to provide insights on user experience for over 200 individuals with disabilities.
- Contributed to a literature review on Artificial Intelligence and accessibility in assistive tech, analyzing 50 papers.
- Collaborated with teams to synthesize research data and inform inclusive design strategies for 3 major projects.
- Produced reports and visuals to communicate findings to stakeholders, resulting in a 30% increase in engagement.

National Helpdesk IT Analyst (CO-OP)

May 2022 – December 2022

Grant Thornton LLP, Canada, Hybrid, Toronto, Ontario, Canada

- Provided IT support for 25 offices, managing accounts and security for 1,000 users via Azure and Active Directory.
- Configured personnel accounts and ensured robust cloud-based security, minimizing IT incidents by 15%.
- Managed onboarding and offboarding, including device setup for 100 employees, safeguarding sensitive data.
- Developed effective training materials for 200+ employees on new policies, improving compliance by 25%.

Team Lead - B2B Corporate Sales

May 2020 – June 2021

cure.fit (cult.fit), Onsite, Bengaluru, Karnataka, India

- Led a team of 3 in driving corporate sales of subscription products, exceeding targets by 20% over 12 months.
- Managed the sales funnel, ensuring lead generation of 500 prospects and conversion in line with company goals.
- Built strong relationships with high-value clients, providing solutions and support, increasing retention by 30%.
- Negotiated and closed B2B deals worth CAD 250,000, collaborating with teams to meet client requirements.

PROJECTS

ChefAI - AI Recipe Generator

Project Lead

- Engineered 'Chef AI', an LLM-based recipe generator, fine-tuning DistilGPT-2 on a dataset of 5,000 recipes.
- Led dataset preparation, model training, and prompt fine-tuning on Colab, achieving 90% accuracy in generation.

Bike Theft Prediction

Full Stack Developer

- A full-stack solution predicting bike theft hotspots, integrating React frontend with Flask backend for 1,000.
- Machine learning models with Scikit-learn, optimizing algorithms for a 25% increase in theft prediction accuracy

Christ Help - AI and AR Enabled Navigation App

Project Lead Developer

- Developed an AI navigation app with Android Studio and GoogleAR SDK, at Christ University with 500 users.
- Retrained MobileNetV1 classifier for Growth, Fusing Google Cloud for handling, achieving 30% Boost in speed.

EDUCATION

Advanced Diploma, Software Engineering Technology and AI

September 2021 – December 2023

Centennial College, Toronto, Ontario, Canada

Bachelor of Science, Computer Applications

June 2016 – April 2020

Christ (Deemed to be University), Bengaluru, Karnataka, India