

Karthi Narendrababu Geetha

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PROFILE

An enthusiastic professional looking for entry and mid-level assignments. I am currently working as a Software Engineer at Realthing AI. A student of RMIT University who completed a Master of Artificial Intelligence and a former Accenture Solutions employee with over two years of experience in Web & Application development (Java). Also, I enjoy working in computer vision applications, machine learning, and deep learning algorithms.

EDUCATION

Master of Artificial Intelligence, RMIT University Dec 2021 | Melbourne, Australia

B TECH – Information Technology, Anna University May 2017 | Chennai, India

INDUSTRY PROJECT

Deep Learning for automated staging of rectal cancer and cancerous lymph nodes on MRI, St Vincent's hospital Jul 2021 – Nov 2021 | Melbourne, Australia

- Worked as Machine Learning Practitioner, investigated the data, and developed tools for segmentation and annotation using computer vision algorithms.
- Devised a deep learning based model which predicts the stage of cancer for the given MRI image.

PROFESSIONAL EXPERIENCE

Software Engineer, Realthing AI Dec 2021 – present | Melbourne, Australia

Working on developing a natural language speech assistant for vision-impaired people as a software engineer and Android application developer.

Key Responsibilities

- Developing goal planning algorithms for a dialogue feature using a Goal Oriented Language (GOL) framework.
- Understanding the user's needs and requirements, as most of our users are vision-impaired elderly people and, veterans.
- Handling the release process such as planning, building, testing, deployment, and documentation.
- Worked on improving the android application by developing new features and also by fixing major bugs.
- Developed a CI/CD pipeline to automatically build the projects, so that all the developers will be getting the latest libraries.

Research & Integration

- Building a Natural Language Understanding model and integrating it as part of the goal of a planning algorithm, in order to reduce speech recognition errors.
- Incorporating and upholding Open AI's GPT model as an intent and entity recognizer within the current product framework.
- Integrating Open AI's chat API into our existing product to enhance its functionality.

Application Development Analyst, Accenture Oct 2017 – Feb 2020 | India

Web & Application developer in a US-based Insurance domain project.

Key Responsibilities

- Built a cross-platform web application that helps the end-user to enter into a Citrix platform.
- Developed an android application named *Scan & Learn*, which provides an explanation of insurance terminologies by scanning the relevant words. The application was selected as an asset to the finance sector in Accenture.
- Worked on tasks such as bug fixing, minor updates and performed manual testing for the required changes.
- Investigated the root cause of the problems and resolved the issues.
- Collaborated efficiently with the onshore and offshore teams.
- Brainstormed with different team members to find solutions.
- Customer relationship management in the property and auto insurance domain.
- Proposed innovative ideas for Hackathon tournaments.

Achievements

- Won the *Rising Star* award in the Finance Development Unit for demonstrating excellent technical skills, energy, and passion towards learning new skills and contributing effectively towards delivery.
- Received the *Accenture Celebrates Excellence (ACE)* award in the category of client excellence for excellent delivery, being a quick learner, and completing all the tasks within the stipulated time.

VOLUNTEER EXPERIENCE

Data Scientist, IsGood.ai

Jan 2021 – Jun 2021 | Melbourne, Australia

Teamed up with fellow volunteers and developed a data & AI Centred platform that aids in obtaining the best solutions for substantial social impacts to the Organizations that work for the people's well-being.

Key Responsibilities:

- Prepared and cleaned the data.
- Built Python scripts to analyze the data.
- Created and maintained databases in Amazon Web Services.
- Manipulated SQL database tables.
- Participated and contributed in weekly team meetings.

PUBLICATIONS

Healthcare Monitoring System using Cognitive IOT and Wireless Body Area Network,

Mar 10, 2017

International Journal for Research & Development in Technology [↗](#)

SKILLS

Languages (Java, SQL, Python, Shell Script, Dot Net (Entry Level), Kotlin (Entry Level))

IDE (IntelliJ, Visual Studio Code, Jupyter Notebook, Android Studio) | **Frameworks** (Spring MVC)

Database (MySQL, PostgreSQL, Cosmos DB, SQLite, Apache Solr) | **Version Control** (GitHub, GitLab)

Operating System (Linux OS, Windows, Robot Operating System (ROS))

Cloud Platform (Microsoft Azure (Entry Level), Amazon Web Services) | **Tools** (Splunk, ClickUp, Slack, Jira, Vercel)

Platform (Unity, Google Vertex AI) | **Soft Skills** (Collaboration, Communication, Critical Thinking, Innovation)

CERTIFICATES

- Neural Networks and Deep Learning [↗](#)
- Convolutional Neural Networks [↗](#)

INTERESTS

Machine Learning | Deep Learning | Computer Vision | Natural Language Processing

Network Hardware Installation