Aparna Krishnan

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EDUCATION

SSN College of Engineering — Chennai
Affl. Anna University; B.E in Computer Science and Engineering; GPA: 8.0/10 — *December 2019 - April 2020*

Sitadevi Garodia Hindu Vidyalaya M.H.S.S — Chennai, India
Computer Science; Tamil Nadu Higher Secondary Certificate); 97.25% (1167/1200) — *May 2015 - April 2017*

PROGRAMMING SKILLS

- **Languages**: Java, Javascript, Python Typescript, SQL, HTML, CSS
- **Technologies and Frameworks**: Amazon Web Services, AngularJS, Flutter Development, Android Development, TensorFlow, scikit-learn
- **Other Skills**: Machine Learning, Natural Language Processing, Data Structures and Algorithms - **Coursera-Certified**

EXPERIENCE

LeanKloud — Chennai
Software Engineer - Intern — *April 2020 - Present*

- Worked on the client interface of the cloud optimization service. Introduced new features for easy tracking of asset usage for the clients.
- Used AngularJS to resolve certain issues that the clients previously had with the interface, and also to program other features.

HashHackCode — Chennai
Special Needs Mentor - Intern — *Nov 2019 - Dec 2019*

- An immersive programming tutoring internship. Worked as an HTML/CSS programming tutor for teens and adults with special needs.
- Was responsible for one-on-one tutoring sessions and also for developing the special IDE used by the institution for coaching the students

LyfeNet Solutions — Chennai
Software Engineer - Student Intern — *Jun 2019 - Jul 2019*

- An Android app development internship where I worked on a cloud-based energy-metering project.
- Was responsible for developing the Android application that controlled the energy-metering device.

TakeMind Inc. — Virtual
Data Analyst Intern — *Dec 2018 - Jan 2019*

- A Data Analytics and Visualization internship where Python, Numpy, Pandas and Machine Learning concepts were used to analyze, interpret and visualize datasets.

PROJECTS

- **Scribe + - Voice Prescription System for doctors** A system that automatically generates prescriptions from a doctor's voice dictation. This is done to eliminate misdiagnosis arising due to illegible prescriptions. Blockchain technology is used to comply with HIPAA laws.
- **VoiceBot — Voice-Enabled personal assistant for the visually impaired** A system that helps a visually challenged person navigate everyday activities with complete autonomy. The system is based on Raspberry Pi and Android technologies.
- **MentorBot- A personal tutoring chatbot** An Android app powered by Node.js and DialogFlow API to recommend courses and internships based on your requests by scraping the web for the top-rated results while eliminating the bias of sponsored search results.

PUBLICATIONS

- Dr. R. Priyadharsini and Aparna Krishnan, **Increasing Efficiency of Data Preprocessing Techniques**, A paper exploring the application of Machine Learning algorithms in Data Preprocessing techniques to increase their intuitiveness and efficiency in classification and clustering, Ongoing.

Accomplishments

- Placed among the **Top 5 Teams** in the Internal Hackathon organized at SSN College of Engineering as part of the **Smart India Hackathon.**

- Placed **1st** among 10 teams in the **Coding Hungama** competition on basic DSA organized by **ACM at Anna University, Chennai.**

- Secured the **First Rank school-wide** in **Computer Applications** in the Class 10 ICSE Board Examination, 2015.

- **Special Mention** at the **IFA 2019 Hackathon** organized by MakersTribe.

Teaching/Leadership Experience

- Active member of the ACM Student Chapter community in delivering seminars and organizing workshops. (2019-2020).
- Part of the core SSN Coding Club and SSN app development club (2018-2019).