# Mahesh SP

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## Work Experience

**Apptio India**, Bengaluru India                                                          *September 2022 – March 2023*
 **Software Development Engineer-I**
- Maintaining Activity Tracking Service of IT planning Application.
- Contributed to stability enhancements of web application by fixing bugs and writing test cases.
- Worked on Router stories, features.
- Worked in Van-platform team  and automated various deployment tasks.
- Tech stack used: Java, Python, Spring,  React, git

**Apptio India**, Bengaluru India                                                          *March 2022 – August 2022*
**Software Engineer Intern**
- Experienced in the agile software development process.
- Learned and worked on backend of IT planning application.
- Solved plenty of Tech debts related to ITP.

## Personal Projects

**Urban Sound Classifier Using Deep Neural Network (Research paper published)**
- Developed and implemented a deep neural network model for urban sound classification, achieving 87% accuracy.
- Published research paper on the project, highlighting methodology, experimental setup, and results.
- Conducted extensive data preprocessing and feature engineering to enhance model performance.
- Fine-tuned model through hyperparameter optimization and validated results for real-world scenarios.

**Prediction of Air Quality Index using 6 different  machine learning Algorithms**
- Developed a web scraper to collect climate data and performed data preprocessing to consolidate hourly measurements of AQI.
- Conducted data cleaning to remove null values and ensure data quality.
- Utilized various machine learning algorithms, including Random Forest and XGBoost, to predict air quality.

## Skills & Interest

- **Languages**: Java, Python, SQL, C++
- **Developer Tools:** VS code, Git, Github, Gradle, Intellij,Jira, Confluence, Jupyter Notebook
- **Platforms:** AWS (AWS lambda, SQS, IAM,Redis etc)
- **Concepts:** Data Structures and Algorithms, Object Oriented Programming, Web Development , RESTful APIs, Computer Networks, Deep Learning, Machine Learning Algorithms.

## Education

**Graduation, RV College Of Engineering  -  8.6 CGPA**                                      *Bengaluru, India*
 Bachelor of Engineering in Information Science & Engineering                               July 2018  -  May 2022
**Sainik School Bijapur, Karnataka (Class XII -CBSE ) - 82.4%**
Computer Science topper class 12th CBSE board.
**Sainik School Bijapur, Karnataka (Class X -CBSE) -  10 CGPA**
 Science.

## Certifications

- The Joy of computing Using python (SILVER MEDALIST) NPTEL
- Software Development Processes and Methodologies.
- Learn Java Programming Basic-Master
- Mastering Data Structures and Algorithms
- Complete Web Development Boot Camp 2023.