

Parth Mehrotra

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Entrepreneurial leader with extensive technical experience

Experience

- 2015–2018 **SAP SE**, Software Engineering Intern May 2015 – Present.
My internship with SAP started in my freshman year and flexes with my school schedule (full-time/part-time). My major focus has been on the Consumer Insights 365 (CI365) product – a big data solution that allows market researchers to gain unique consumer insights by analyzing terabytes of data from telco providers.
- CI365 – My work on CI365 spanned multiple areas of the technical stack.
 - Front-end: create intuitive ways for users to query and visualize unstructured data.
 - Back-end: create code to efficiently execute ambitious data science strategies.
 - Data Science: Wrote machine learning algorithms to fill in unavailable attributes in our data.
 - Authored Data Visualization Suite for Massive Geospatial Datasets
 - I saw the need and proactively created a toolset that is used by CI365 data scientists to visualize our data with high fidelity, to identify areas of undercoverage/overcoverage, as a critical QA step.
 - SAP Multi-Factor Authentication Solutions
 - Identified an improvement opportunity in SAP's SMS-based two factor authentication product and implemented a TOTP two-factor authentication strategy.
 - Led exploration of novel multi-factor authentication strategies, that utilized push notifications and biometrics, for future development.
 - Pioneered Code Insights Initiative as a Passion Project
 - Developed a tool to monitor code quality in large codebases with multiple contributors.
 - Converts version-controlled codebases into custom Abstract Syntax Trees which are used to track KPI's for each developer.
 - Pending addition to SAP's collection of Open Source Software.
- 2014–2018 **AutoAI (formerly DriveAI)**, Co-Founder Oct 2014 – Present.
Co-Founded an initiative to create an Open Source Hardware and Software platform for Autonomous Vehicles. This started as a standalone non-profit organization and is in the process of being converted to a student organization at Rutgers University.
- Led technical, administrative and fundraising efforts. Gained funding from MunichRE Insurance.
 - The current development vehicle is an electric golf cart. Technical focus is on the application of LIDAR and stereo cameras within a novel sensor fusion algorithm that may substantially reduce the cost of computer vision for self driving cars.
- 2010–2018 **Multiple other projects**, including published apps, video content and a pending patent, are listed at parthmehrotra.com.

Academics

- 2014–2018 **Rutgers University, New Brunswick, B.S. Computer Science**, Graduating May 2018.
 - Advanced Coursework in Data Structures, Algorithms, Computer Architecture, Systems Engineering, Principals of Programming Languages, Internet Technologies, and Software Methodology.
 - Independent Study on Autonomous Vehicles with Prof. Peter Jin (Intelligent Transportation Systems) and Prof. Kostas Bekris (Artificial Intelligence).
- 2010–2014 **Wayne Hills High School, Wayne, NJ**, Graduated June 2014.
 - Built technical foundation – Android Development, Robotics, and AP coursework in Physics, Math, Statistics and Computer Science.
 - Built leadership skills – Martial Arts instruction for kids, co-captain of the Men's Varsity Swim team, Drum Lieutenant of the Marching Band.