

# ABHILASHINI A J

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## SKILLS ⚙️

### Languages & Frameworks

Python, Java  
JavaScript, HTML, CSS  
Angular JS, Node JS, Bootstrap  
SQL, NoSQL

### Work Background

Software Architecture  
Web Development  
UX/UI Design  
Data Visualisation, NLP  
DevOps  
Content Development

## PROJECTS 📌

- Test Suite for Data Analysis
- File Mining Script with Python
- Chatbot for HR Support
- Leave Management Web App
- ESPP Dashboard Web App
- Zeta Token Generation API
- Data Lineage using Graph DB
- Creative Assets Design for Web

## EDUCATION 🎓

Bachelors in Computer Science  
**SJCE, Mysore** 2013

- Cumulative GPA: 9.21/10
- Head - Web Design Board, IEEE SJCE Chapter
- Published "Semantic Methods for Subjective/Objective Identification" <sup>🔗</sup> of textual content

## AWARDS & ACHIEVEMENTS 🏆

- Spearheaded digital transformation by mentoring and training in tech & design topics
- Garnered 25+ awards for creating user-centered apps, full stack software & minimalist UX/UI
- Recognised for stakeholder engagement, team management & creative problem solving
- MHRD, India scholarship recipient for academic excellence

## ATONARP MICROSYSTEMS

### Data Scientist

Aug 2019 - Jan 2020

- Built a model evaluation pipeline to find the best model and parameters fit among multiple *model x config* combinations with automated hyper-parameter tuning and cross-validation
- Improved analyte prediction by 30% on wider range of spectrometer data (different measurement techniques, reference medium, analyte concentration) with exploratory analysis of regression models
- Wrote several modules for data preprocessing, automating feature engineering & model configuration tasks for optical spectrometer. Oversaw system integration for cloud deployment

## CISCO SYSTEMS

### Tech Lead & Analyst

Jan 2016 - Jul 2019

- Led cross-functional teams, oversaw visualisation & analytics, developed *executive-tailored, insight-first* dashboards comprising enterprise workforce data
- Automated data reconciliation tasks by creating server native scripts using Pandas. Reduced 1 day efforts of manually testing ~20GB data to 5-10 minutes
- Created a Natural Language Interface to Database for structured & semi-structured queries to circumvent multi-filter selection for reports; report generation & dashboard usage saw a 3x increase

### Software Development Lead

Aug 2013 - Dec 2015

- Standardised web apps creation with a lean development methodology. It decreased rework by 60%, doubled code efficiency and was implemented in 12 projects offering uniformity and consistency
- Automated new hire job allocation with a full stack application and optimised candidate-job matching algorithm reducing efforts that consumed 160 man-hours to 10 minutes
- Redesigned legacy applications by implementing material design, micro services, central APIs and *write once, use everywhere* code base, extending apps to mobile presence
- Led Cisco, India *Early in Career* employees. Raised new hire engagement by 20% yearly over a 4-year period by creating several internal, cross-functional and social interaction platforms