Suprgya Bhushan

Generalist Software Engineer

Email: **suprgya@gmail.com**
Phone: **+91-8826309373**
GitHub: **github.com/suprgyabhushan**
LinkedIn: **linkedin.com/in/suprgya**
Website: **bhushan-suprgya.github.io**

WORK

Professional Freelancer | Jan 2022 - Present

Developing a mental health app in Android & iOS. Programmed a synchronised blocks-based code editor for browsers. Collaborated on developing a B2B SaaS sales web-based coaching platform. Full-Stack Development position responsible for the creation of multiple custom Wordpress projects, including e-commerce sites from concept to completion.

`ReactJS` `React Native` `TypeScript` `Node.js` `Microsoft Azure` `Firebase` `JavaScript` `Blockly` `MongoDB` `ClickUp` `WordPress`

Software Engineer | Aug 2019 - Dec 2021

PinkBlue - Bengaluru, India
Developed an integrated hospital supply chain digital platform solution.

`Django` `AngularJS` `Node.js` `Python` `AWS`

NPO Intern & Collaborator | Jan 2018 - Dec 2022

Vision Empower - Bengaluru, India
Worked on Accessible Solutions for Education of the Visually Impaired (VI).

`Open edX` `Python` `Node.js`

NUS Enterprise Summer Student | Jun 2017 - Jul 2017

NUS Entrepreneurship Centre - National University of Singapore, Singapore
Trained on Economic and Enterprise Development at National University of Singapore (NUS).

Software Engineer Intern | May 2016 - Jul 2016

IBM - New Delhi, India
Made a Chatbot in JavaScript using WebSockets.

`WebRTC`

Summer Freelancer | May 2016 - Jul 2016

Citrya - Bengaluru, India
Developed a Text Editor like WIX platform.

`AngularJS` `Node.js`

EDUCATION

IIIT Bangalore (IIITB) | Jul 2014 - Jul 2019

BTech and MTech, Computer Science
CGPA: 3.10/4.00
Thesis: Intermediaries In Agile-based ICT Application Development: A Study Involving The Indian Public Health & Nutrition Sector

VBPS Noida

Class 12th: 94.8% (May 2014)
Class 10th: CGPA: 10/10 (May 2012)

PUBLICATIONS

· *Complexity Demands Agility: Operationalizing Agile Principles To Address Complex Public Health Challenge Of Malnutrition Management* - **Accepted at ICTD 2022, University of Washington in Seattle, USA**.

· *Creating an Accessible Technology (AT) Ecosystem for Learning Science and Math* - **Accepted at MCHV-INAIS Workshop, IIM Calcutta**. Used for video research study at India Today - Link to the video

SKILLS

Languages: C, Python, C++, Java, MATLAB, R, JavaScript, MySQL, HTML, LaTeX, CSS, PHP, Bash, Arduino
Software & Frameworks: Ruby on Rails (RoR), Laravel, Django, Open edX, React Native, ReactJS, Node.js, AngularJS, Tableau, Figma
Tools: Git, PyTorch, OpenCV, NumPy, Pandas, Flask, Selenium, WebRTC
Other: CI/CD, Version Control, Web, Data Science and ML

HACKATHON

Finalists, Smart India Hackathon (Apr 2017)

ACTIVITIES

· Placement Cell Member - IIITB (2017-2019)
· Teaching Assistant - Math for ML - IIITB - Prof. Amit Chattopadhyay (2019)
· Zense - Technical Club Member - IIITB (2016)
· Organiser & Coordinator - INFIN8 - IIITB's First Cultural Fest (2015)

OTHER PROJECTS

Accessible Learning Management System (LMS) Platform - *"Subodha"*

Guide: Prof. Amit Prakash | Aug 2018 - Dec 2018
Accessible LMS Platform developed using Open edX Development Stack and extensible features, XBlocks.

Food Object Detection and Calorie Estimation

Guide: Prof. G Srinavasaraghavan | Aug 2018 - Dec 2018
Food Object Detection using a TensorFlow frozen model of Faster RCNN and Calorie Estimation using the Expectation-Maximization algorithm.

Nutrition Tracking Mobile Application

Guide: Prof. Amit Prakash | Aug 2017 - Dec 2017
Potential Design Solution for a user-friendly Nutrition Tracking Mobile Application for a Public Healthcare Institution.

Sanskrit Sandhi Splitting Software

**Guide: Prof. G N Srinivasa Prasanna &
Prof. Sujit Chakrabarti** | Jan 2017 - July 2017
A Computational Tool showing all possible splittings of a given Sanskrit string.

Intellectual Property (IP) Asset Management Portal

Guide: Prof. Srinath Srinivasa | Aug 2016 - Dec 2016
Web Application Portal built using RoR which manages IP Assets of the Institute.

SCORES

GMAT: 770/800 (June 2020)

RELEVANT COURSES

- Neural Networks & Reinforcement Learning
- Machine Learning (ML)
- Text Processing & Information Retrieval
- Foundations for Big Data Algorithms
- Information Technology Project & Product Management
- Information & Communication Technology & Policy Regulation
- E-Governance Application Design
- Database System and Management

INTERESTS

Proactive about learning diverse things and happy to discuss those. I am into fitness and running. Dancing is what I breathe, whether for learning, or at events participation or at parties.