BHAVESH KOTWANI

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3ʳᵈ YEAR UNDERGRADUATE,
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,
BITS Pilani, Pilani Campus.

ACADEMIC PROFILE

Year	Degree	Institute	Performance
2023 (expected)	B. Tech.Computer Science and M. Sc Biological Sciences	BITS Pilani, Pilani Campus	CGPA: 7.9(6 Semesters)
2018	CBSE (XII)	All Saints School, Ajmer	89 %
2016	CBSE (X)	Saint Anselm's Sr. Sec. School, Ajmer	CPGA: 9.8

PROJECTS UNDERTAKEN

Projects	Description	Skills Required
Invoices Parser App (Web App published on Firebase)	Invoices Parser is a web application I am currently working on, which uses Google Cloud Document AI Processor for Invoices Parsing, and the parsed information gets stored in Firebase Cloud, and the outputs can be exported to google sheets, which is integrated through the sheet API. The app has 3 user roles, superadmin, admin and employees. This application has accounting firms as their primary customers and invoices can be allotted to employees from the admin. The app has a separate superadmin panel to keep check on usage. The application is currently in MVP Phase, and a lot of new features are supposed to be added. The funding is under Mudit Goyal, CEO of FIRMSAP VENTURES, and the sole development is under my control. Web: https://invoices-parser.web.app/	Ionic Angular Web and Mobile App Full Stack Development, Firebase, Google Play Console, Cloud AI Processor Integration, GCP, Rest API Integration, Sheets API
LegalAstro News Android App, Web App for Article Publishing (Built in 2021)	LegalAstro is an android news application for news articles, circulars, notices, etc., for accountants, professionals, businessmen and people in Legal businesses to stay updated with the latest government updates. I am responsible for the complete development and maintainence for the application, and the articles are published from the web app (also developed by me). The editors, which currently are the employees in FIRMSAP VENTURES PVT LTD, are responsible for the articles being published in the app. The articles are retrieved from a python based scraper(Whose link cannot be added due to privacy and ownership concerns). Currently the marketing of the app is through FB Ads Manager. App Link: https://play.google.com/store/apps/details?id=com.legully.genienews Web App Publisher: https://legully-news-genie.web.app/	Ionic Angular Web and Mobile App Full Stack Development, Firebase, Google Play Console, FB Ads Manager, Python Scraper. Android Studio

Meri Samruddhi (Web Application Published on Firebase)	This project iincludes a form created in Hindi using the postal service API, and the google Translation API for the farmers located in Maharashtra to collect their field data and personal information, and deliver sample fertilizers to them. The data collected from farmers is collected in firebase server, and can be updated by admin on a google sheet. This later is connected with a challan printing script I created in Python for getting the delivery challans(The Web App has a mobile view by default, since the target audience is farmers). Web App Link: https://meri-samruddhi.web.app	Ionic Angular Web and Mobile App Full Stack Development, Firebase, Post API(pin code API), Python Scripts, SendinBlue(for mail alerts)
Attendance App (Play store Published, Web App on Firebase)	This application is published on the FIRMSAP developer account as Legully Attendance, and is majorly an application to manage the company's attendance. This app has three roles: superadmin, admin and employee, with two logins. The company can manage employees attendance arrival and exit conditions and record their details thereafter. The company can also upload attendance related documents and the employees can upload reimbersements if needed. Android App: https://play.google.com/store/apps/details?id=com.legully.attendance Web App: https://legully-attendance.web.app/	Ionic Angular Web and Mobile App Full Stack Development, Firebase, Google Play Console, Android Studio, Rest APIs Integrations
Expense App (Play store Published, Web App on Firebase)	This application is published on the FIRMSAP developer account as Legully Expenses App, and is majorly an application to manage the user's expense documents. This was a freelancer project, and was a great experience for me, and it involves the use of Google sheets API, the oauth 2.0 consent screen, and filtering and sorting data based on tags. Android: https://play.google.com/store/apps/details?id=com.expenses.aarc Web: https://legully-expense-app.web.app/login	Ionic Angular Web and Mobile App Full Stack Development, Firebase, Google Play Console, Android Studio, Rest APIs Integrations
Equestock (Android App, IOS App, Web App)	Equestock is a stock sentiment analiying application which I worked on in collaboration of my colleugue for a US Client from Freelancer. I was responsible for the development of the application in 3 platforms, and currently, only the Web app is published, since my personal Google Play Console Account got suspended. Web: https://equestock.web.app	Ionic Angular Web and Mobile App Full Stack Development, Firebase, Google Play Console, Rest APIs Integrations, Android Studio, PayPal Payment Integration
Virtual Try On(Colab Notebook)	A virtual try-on method takes a product image and an image of a model and produces an image of the model wearing the product. Most methods essentially compute warps from the product image to the model image and combine using image generation methods. However, obtaining a realistic image is challenging because the kinematics of garments is complex and because outline, texture, and shading cues in the image reveal errors to human viewers. The garment must have appropriate drapes; texture must be warped to be consistent with the shape of a draped garment; small details (buttons, collars, lapels, pockets, etc.) must be placed appropriately on the garment, and so on. Evaluation is particularly difficult and is usually qualitative. This was supposed to be a scalable project, but there were some unresolvable concerns, like poor output image quality, long duration of processing, which made us give up on the project. URL: https://github.com/bhavesh2799/virtual-try-on	Machine Learning Models, CNNs, Transfer Learning

Personal Projects	ocrApp: Image to Text ocrApp for all languages. toQR: QR CODE generator App Nutrical: Food Calculories calculator App Simple HRNET: Get 17 Human keypoints from the image. Human Segmentation Model: Using Tranfer Learning	Ionic Angular Web and Mobile App Full Stack Development, Firebase, Google Play Console, Android Studio, Machine Learning

TECHNICAL SKILLS

- **Languages:** C, C++, Java, HTML, CSS, Javascript, Typescript,. Python, AngularJS
- **Softwares:** Visual Studio 2017, Pycharm(Jupyter Notebook)/Google Colab, Android Studio, Postman(Basic APIs Integration)
- **Skills:** Machine Learning(primarily CNNs and ANNs), Full Stack Web and Mobile App Developer(in Django and Ionic Angular), Basic Web Scraping(Python, Selenium), Firebase(Auth, Firestore, Storage, Notifications, Dynamic Links), Sendinblue(SMTP, Transactional Mails), Facebook Ads Manager, Rest API Integrations(Primarily in JS), Payment Integrations(Paypal), Google Play Console
- **Platforms**: Windows

PERSONAL INFORMATION

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