PURUSHOTTAM SINHA

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CARRIER OBJECTIVE

To work for an organization which provides me the opportunity to improve my skills and knowledge to grow along with the organization objective.

EDUCATION

- **Indian Institute of Technology, Mandi** — Himachal Pradesh
  Computer Science and Engineering; Current CGPA: 8.39 — *August'17 – Current*

- **Shiv Jyoti Convent School** — Kota, India
  Higher Secondary School (XII); Percentage: 94.2 — *April'16 – March'17*

- **Sunbeam School Varuna** — Varanasi, India
  Senior Secondary School (X); CGPA: 10 — *April'14 – March'15*

WORK EXPERIENCE

- **Intuit India** — Bengaluru
  Summer Internship — *April'20 – July'20*
  Performance Enhancement in Workflow UI in QuickBook
  - *Network Analysis for different implementation to decrease the TP99 value from over 5s to under 4s.*
  - *Enhancement through incorporation of lazy loading, image optimisation, parallelizing API calls, etc*

- **Siemens Services and Technology** — Bengaluru
  Winter Internship — *December'19 – February'20*
  Integrating Source Code Recommendation to ADVISE platform
  - *A python application which incorporate flask technology to provide a RESTful API service*
  - *A react application which provide interface to interact with the client and developer through API calls.*
  - *Setup configuration to work with the setup inside an Eclipse Che environment.*

PROJECTS

- **ProfConn**:
  Self-Learning Project
  - **React App Development:** Built a serverless React.js app using AWS services and hosted on S3 bucket
  - **AWS Severless Webtools:** Integrated AWS technologies like DynamoDB, Lambda, API Gateway, Cognito, S3, and IAM

- **Sabka Bazaar**:
  Information and Database Systems Under Dr. Arti Kashyap
  - **Web App Development:** Developed a fully functional regular, responsive e-commerce website under fore-mentioned course.
  - **Data Management and Optimization:** Integrated MySQL data engine to incorporate the Database Management system.

- **IndiSnacks**:
  Self-Learning Project
  - **Flask App Development:** Developed a fully functional flask app hosted through heroku.
  - **Image Recognition through IBM Watson API:** Integrated a model for classifying Indian snacks in various categories, with a flask app through APIs.

Position of Responsibility

- **Exodia'19**   IIT Mandi, HP
  Web Development Head   *December'18 - April'19*
- **ArtGeeks**   IIT Mandi, HP
  Web Developer   *April'18 - December'19*
- **Design Practicum**   IIT Mandi, HP
  Group Leader   *February'19*

Relevant Courses

- Advanced Data Structure and Algorithms
- Computer Organization
- Information and Database Systems
- Probability Statistics & Random Processes
- Design Practicum
- Mathematical Foundations of Computer Science
- Paradigms of Programming *(Pursuing)*
- Algorithm Design and Analysis *(Pursuing)*
- Applied Databases Practicum
- Large Applications Practicum
- Pattern Recognition
- Communicating Distributed Processes
- Introduction to Heterogeneous Computing *(Pursuing)*
- Computer Networks Analysis *(Pursuing)*

Programming Skills

HTML, Python, Javascript, C/C++, SQL, PHP, Git, Heroku, AWS Basics, Firebase, React.js, Ionic with Angular, Flask