

Curriculum Vitae
Mr. Pravesh Chapagain
(Applying for PhD in Computer Science)
+977-9843214358 • spravesh1818@gmail.com • Lagankhel-05, Lalitpur, Nepal

EDUCATION

Kantipur Engineering College(KEC), Tribhuvan University <i>Bachelor's in Computer Engineering</i> <i>GPA: 3.30/4.00 (Scholaro GPA)</i> <i>Minor: Data Mining and Big data systems</i> <i>Senior Project: Handwritten text recognition and font generation</i>	Lalitpur, Nepal <i>January 2018</i>
--	---

SKILLS

Scientific Computing: MATLAB, Octave, R, Julia
Programing: Python, C, C++, Java, Javascript
Libraries: Pytorch, Tensorflow, Scikit-learn
Data Analysis: Numpy, Pandas
Database Management Systems: MySQL, PostgreSQL
Documentation: MS Office, Latex, Inkscape
Languages: Nepali, English, Hindi

RESEARCH EXPERIENCE

Nepal Electricity Authority Consultancy, NEA <i>Key Researcher</i> <i>PI: Hitendra Dev Shakya</i> ● Project Title: Deep Neural Network based Automatic System for Electricity Meter Reading in Nepal ● Funding Agency: Nepal Electricity Authority	Lalitpur, Nepal <i>2019-2020</i>
---	--

TEACHING EXPERIENCE

Bachelor's of Computer Applications, Kathmandu Model College Tribhuvan University <i>Lecturer</i> ● Undergraduate Courses: Operating systems, Full stack web development, Advanced Java Programming	Lalitpur, Nepal <i>June 2022-Present</i>
---	--

PROJECT EXPERIENCE

- | | |
|---|--|
| 1. Addy Healthcare
<i>Team Lead</i> <ul style="list-style-type: none">● Tool for healthcare professionals to manage referrals for a clinic● Powered by GenAI to extract relevant health data● Accuracy of the system over 90% | Seattle, Washington, USA
<i>August 2024-Present</i> |
| 2. Soliish Inc.
<i>Software Engineer</i> <ul style="list-style-type: none">● AI powered tool to detect sleep apnea and build dynamic healthcare workflows | Washington DC- Baltimore Area, USA
<i>January 2024-August 2024</i> |

- | | |
|--|---|
| 3. Nodal NDA
<i>Software Engineer</i>
<ul style="list-style-type: none"> • Tool to automate NDA signing process. | Colorado Springs, Colorado, USA
<i>August 2023- December 2023</i> |
| 4. Krane
<i>Software Engineer</i>
<ul style="list-style-type: none"> • AI powered tool to enhance supply chain management in construction | Foster City, California, USA
<i>January 2023-August 2023</i> |
| 5. Memora Health
<i>Software Engineer</i>
<ul style="list-style-type: none"> • AI powered solution to help care teams in clinics, mostly through chatbot named Felix | San Francisco, California, USA
<i>August 2022-December 2022</i> |
| 6. Krispcall
<i>Software Engineer</i>
<ul style="list-style-type: none"> • AI powered cloud telephony system built using webrtc | Melbourne, Australia
<i>February 2021-February 2022</i> |
| 7. Timetracko
<i>Software Engineer</i>
<ul style="list-style-type: none"> • Workforce analytics software | Melbourne, Australia
<i>September 2020-January 2022</i> |
| 8. Payon
<i>Software Engineer</i>
<ul style="list-style-type: none"> • Digital wallet startup project in Bangladesh | Dhaka, Bangladesh
<i>January 2019-July 2019</i> |
| 9. EnetPayment
<i>Software Engineer</i>
<ul style="list-style-type: none"> • Digital wallet used in Nepal. | Kathmandu,Nepal
<i>April 2018-December 2018</i> |

WORK EXPERIENCE

- | | |
|--|---|
| Leapfrog Technology Private Limited
<i>Senior Software Engineer</i>
<ul style="list-style-type: none"> • Client Projects: Memora Health,Krane, Nodal NDA, Solish Inc, Addy Healthcare • Internal Projects: Leapfrog workflow builder, Online Exam Builder | Kathmandu, Nepal
<i>March 2022- Present</i> |
| Codavatar Technology Private Limited
<i>Software Engineer</i>
<ul style="list-style-type: none"> • Projects: Krispcall, Timetracko • Internal Projects: Billing Management | Kathmandu, Nepal
<i>September 2020- February 2022</i> |
| GSignalX Private Limited
<i>Software Engineer</i>
<ul style="list-style-type: none"> • Was mostly involved in research for option trading and building software.Company was closed abruptly due to conflict between the owners | Kathmandu, Nepal
<i>August 2019-February 2020</i> |
| Three Monks Private Limited
<i>Software Engineer</i>
<ul style="list-style-type: none"> • Projects: Payon, EnetPayment, RTGS Integration | Kathmandu, Nepal
<i>April 2018- July 2019</i> |

PUBLICATIONS

1. Bishwokarma, Rajiv; Paudyal, Binay; Shakya, Hitendra Dev; Chapagain, Pravesh; Bajgain, Shirshak (2021). Deep neural network-based automatic system for electricity meter reading in Nepal. figshare. Conference contribution. <https://doi.org/10.6084/m9.figshare.13515128.v1>

CERTIFICATIONS

1. AWS Solutions Architect Associate

Awarded by Amazon Web Services

Nepal

May 2024

SCHOLARSHIPS

2. Kantipur Engineering College, Semester Scholarship

Awarded by Kantipur Engineering College, TU

Nepal

August 2014 – November 2014

- Ranked top in Semester and was awarded scholarship

References

Er. Rabindra Khati

Head of Department

Department of Computer and Electronics
Engineering

E-mail: rabindrakhati@kec.edu.np

Dr. Pavan Poudel

Assistant Professor of Computer Science

College of Science and Engineering
University of Houston, Clear Lake, USA

E-mail: poudel@uhcl.edu